

Peter P. Sena III Site Vice President 724-682-5234 Fax: 724-643-8069

January 21, 2008 L-08-027

ATTN: Document Control Desk U. S. Nuclear Regulatory Commission Washington, DC 20555-0001

SUBJECT:

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Eighteenth Refueling Outage Inservice Inspection Report

Enclosed please find the Inservice Inspection (ISI) Summary Report on American Society of Mechanical Engineers (ASME) Class 1, 2, and 3 examinations performed prior to and during the eighteenth refueling outage at Beaver Valley Power Station Unit No. 1 (BVPS-1). The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires an inservice inspection summary report to be submitted to the enforcement and regulatory authorities having jurisdiction at the plant site within ninety days of the completion of the inservice inspection conducted during each refueling outage. The recent inservice inspection term at BVPS-1 covered the period from April 20, 2006 to October 24, 2007.

The Class 1, 2, and 3 examinations are part of Interval 3, Period 3 of the BVPS-1 ISI schedule, and were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Thomas A. Lentz, Manager – FENOC Fleet Licensing, at 330-761-6071.

Sincerely,

Peter P. Sena III

Karih Ostrawski for

Enclosure

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Beaver Valley Power Station, Unit No. 1 L-08-027 Page 2

c: Mr. S. J. Collins, NRC Region I Administrator Mr. D. L. Werkheiser, NRC Senior Resident Inspector Ms. N. S. Morgan, NRR Project Manager Mr. J. Payton, Commonwealth of Pennsylvania

BEAVER VALLEY POWER STATION UNIT 1 Route 168, Shippingport, PA

Outage 18, Year 2007

Inspection Term: 4/20/2006 to 10/24/2007

Issue date: 1-11-08

Owner: FirstEnergy

76 South Main St. Akron, OH 44308

NRC Docket Number: 50-334

Reactor Supplier: Westinghouse Electric Corporation Commercial Service Date: September 30, 1976

Supv. Nuclear Programs Reviewed by:

Date: /-//-08

Reviewed by: Dear D. Tynik

Approved by: Daylor (7)

Manager, Technical Services Engineering

Date: _ 1-11-0%

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

1.	Owner	FirstEnergy	Nuclear Ope	rating Company, Route 168, Shippingp	ort, PA 15077
				(Name and Address of Owner)	
2.	Plant	Beaver Vall	ey Power Sta	tion, Route 168, Shippingport, PA 150	77
				(Name and Address of Plant)	
3.	Plant Unit	1	4. Owner	Certificate of Authorization (if required)	N/A
5.	Commercial	Service Date	9/30/76	6. National Board Number for Unit	N/A

7. Components Inspected

		Manufacturer or	1	
Component or	Manufacturer or	Installer	State or	· National
Appurtenance	Installer	Serial No.	Province No.	Board No.
Reactor Vessel	Combustion Engineering	69103	105642B	21011
Pressurizer	Westinghouse	1311	434676V	68-50
1A Steam Generator	Westinghouse	NP030651/1MB2	591601V	82
1B Steam Generator	Westinghouse	NP030651/2MB2	591602V	83
1C Steam Generator	Westinghouse	NP030651/3MB2	591603V	84
1A Reactor Coolant Pump	Westinghouse	1-618J931G01	N/A	N/A
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A
Loop Stop Valve MOV-1RC-595	Rockewell International	7517	N/A	N/A
Relief Valve RV-1RC- 551A	Target Rock	69A	N/A	N/A
Relief Valve RV-1RC- 551B	Target Rock	69B	N/A	N/A
Relief Valve RV-1RC- 551C	Target Rock	69C	N/A	N/A
RHR Heat Exhanger RH-E-1A	Joseph Oat	1832-1	434682V	368
Low Head Safey Injection Pump SI-P- 1B	Ingersoll – Dresser	0671-140xxxxx	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in x 11 in, (2) information in items 1 though 6 on this report is included on each sheet and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E0029) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 070082300

FORM NIS-1 (Back)

8. Examination Dates 4/20/2006 to	10/24/2007
9. Inspection Period Identification: 12/3/2004 to 3/31/2008	
10. Inspection Interval Identification: 9/21/1997 to 3/31/2008	
11. Applicable Edition of Section XI 1989 Add	enda <u>None</u>
12. Date/Revision of Inspection Plan:	7
the 3 rd Period of the 3 rd Ten-Year Interval. This was the I yr ISI exam was completed during this outage. All exami	exams performed during 1R18. 1R18 was the second outage in ast outage in this period and interval. The Reactor Vessel 10-
14. Abstract of Results of Examination and Tests. See text of su	mmary report.
15. Abstract of Corrective Measures. No Corrective measures We certify that a) the statements made in this report are corre	
as required by the ASME Code, Section XI, and c) corrective mea	
Certificate of Authorization No. (if applicable) N/A	Expiration Date N/A
Date 1/9/8 Signed FirstEnergy Nuc	clear Operating Co. By Colorban
(0	wner)
CERTIFICATE OF INSER	VICE INSPECTION
I, the undersigned, holding a valid commission issued by the Natio	nal Board of Boiler and Pressure Vessel Inspectors
	mployed by HSB CT of
	ents described in this Owner's Report during the period
	and state that to the best of my knowledge and belief, the
Owner has performed examinations and tests and taken corrective	
with the Inspection Plan and as required by the ASME Code, Secti	
By signing this certificate neither the Inspector nor his employe the examinations, tests, and corrective measures described in this O	
nor his employer shall be liable in any manner for any personal inj	
from or connected with this inspection.	ury or property damage of a loss of any kind arising
Dear S. hymrh Commission	
Inspector' Signature	National Board, State, Province and Endorsements
Date /-//-08	
	·

OUTAGE SUMMARY

During the Eighteenth Refueling Outage (1R18) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1, 2, and 3 components. This was the second outage in the third period of the third ten year interval. The Class 1, 2 and 3 examinations were based on ASME Section XI, 1989 Edition.

ASME XI Class 1, 2, and 3 Credited Exams (See Appendix I)

- 1. Seventy-eight (78) Class 1 exams were performed and are divided as follows:
 - a. Welds (vessels, piping, and attachments)

Ultrasonic Exams	-	40
Penetrant Exams	_	3

Visual Exams - 8

b. Class 1 bolting

Ultrasonic Exams - 4

c. Visual Examinations (VT-3)

Pipe Supports - 12

Vessel Supports - 3

- d. RI-ISI piping VT-2 exams 8
- 2. Fifty-five (55) Class 2 exams were performed and are divided as follows:
 - a. Welds (vessels, pumps, piping, and attachments)

Ultrasonic Exams - 3

Penetrant Exams - 10 b. Supports, visual exams - 14

- c. RI-ISI piping VT-2 exams 28
- 3. Six (6) visual exams of Class 3 supports were performed:
 - a. Supports, visual exams 6

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) NDE Technicians, supplemented with contracted NDE technicians from Integrated Technologies, Inc. (iTi). Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements.

Reactor Vessel 10-Yr ISI

The 10 year ISI automated examination of the BV1 Reactor Vessel was completed by WesDyne International during 1R18. FENOC personnel performed the manual UT examination of the threads in flange. The automated examinations of the reactor vessel yielded a total of 57 recordable indications. Flaw bounding measurements for these indications were performed by qualified examinaers. All of the recorded indications were assessed against the criteria contained in ASME XI, IWB-3500 and were found to be within the allowable limits specified, with no further evaluation required.

Supplemental eddy current examinations of the dissimilar metal welds from the nozzle bore yielded no recordable indications. Remote visual examination of the nozzle inner radius areas (Enhanced VT) resulted in no recordable indications. Remote visual examinations of the reactor vessel interior and attachments (VT-1/VT-3) resulted in no recordable indications.

Pressure Testing

The Class 1 end of interval pressure test was performed prior to plant start-up from 1R18. All Class 1 bolted connections were examined during 1R18. Also, Class 2 and 3 system functional and system inservice tests were performed in accordance with 40-month pressure testing requirements.

Deficiency Resolution

There were no recorded ISI NDE deficiencies in 1R18.

Steam Generator Tube Examination

One hundred percent of the in-service tubes were examined in the three generators. Results of the examinations are submitted to regulatory authorities per Technical Specification requirements.

NIS-2 Forms

Included as Appendix II are the NIS-2 Forms associated with repairs and replacements. Code Case N-416-1 or N-416-2, Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2 and 3, was used. The NIS-2 specifies when the Case was implemented and which revision was used.

APPENDIX I 1R18 Completed Code Exams

	Component Identification	Description	Class	Item	Category	Method	lso .
033300	CH-96-9-F-13	SOCKET WELD	1	R1.12	R-A	VT-2, ,	
036700	CH-97-7-S-07	SOCKET WELD	1	R1.12	R-A	VT-2, ,	, 0247A
040000	CH-98-9-S-06	SOCKET WELD	1	R1.12	R-A	VT-2, ,	, 0248A
068100	PS-244-VS-1	SNUBBER	1	F01.10N	F-A	VT-3, ,	
078600	RC-71-9-S-06	BRANCH CONN. WELD	1	R1.12	R-A	VT-2, ,	
085400	RC-72-4E-S-06	BRANCH CONN. WELD	1	R1.12	R-A	.VT-2, ,	
089100	RC-72-7-E-01	NOZZLE TO SAFE END	1	R1.11	R-A	UT , ,	0348D
089200	RC-104-1-E-01	NOZZLE TO SAFE END	1	R1.11	R-A	UT , , ,	0350A
094200	RC-104-2-PSSP-122A	SNUBBER	1	F01.10N	F-A	VT-3,	, 0350A
094300	RC-104-2-PSSP-122B	SNUBBER	1	F01.10N	F-A	VT-3, ,	, 0350A
138500	RC-53-VS-358-1	SNUBBER	1	F01.10N	F-A	VT-3, ,	, 0358A
144900	DLW-LOOP2-8-HSS-103	SNUBBER	1	F01.10N	F-A	VT-3, ,	, 0999B
145000,	DLW-LOOP2-8-HSS-104	SNUBBER	1	F01.10N	F-A	VT-3, ,	, 0999B
150900	INCORE INSTRUMENTS	RV HEAD PARTIAL PENETRATION WELDS	1	B04.012	B-E	VT-2, ,	, E-001D
151000	INSTRUMENTATION NOZZLES	LOWER HEAD INSTR NOZZLES	1	B04.013	B-E	VT-2, ,	, E-001D
151100	RC-R-1-C-1	SHELL TO FLANGE CIRC WELD	1	B01.030	B-A	UT , ,	, E-001A
151200	RC-R-1-C-2	CIRCUMFERENTIAL WELD	1	B01.011	B-A	UT,,	, E-001A
151300	RC-R-1-C-5	CIRCUMFERENTIAL WELD	1	B01.011	B-A	UT , ,	, E-001A
151400	RC-R-1-C-8	CIRCUMFERENTIAL WELD	1	B01.011	B-A	UT , ,	, E-001A
151500	RC-R-1-C-9	LOWER HEAD CIRC WELD	1	B01.021	B-A	UT , ,	, E-001A
152200	RC-R-1-CRDM-SUPP-1	CRDM SHROUD HOUSING SUPPORT	1	F01.40E	F-A	VT-3, ,	, E-001A
152210	RC-R-1-CRDM-SUPP-2	CRDM SHROUD HOUSING SUPPORT	1	F01.40E	F-A	VT-3, ,	
152220	RC-R-1-CRDM-SUPP-3	CRDM SHROUD HOUSING SUPPORT	1	F01.40E	F-A	VT-3, ,	, E-001A
153600	RC-R-1-N-17	INLET NOZZLE WELD	1	B03.090	B-D	UT , ,	, E-001B
153700	RC-R-1-N-17IR	NOZZLE INSIDE RADIUS	1	B03.100	B-D	UT , ,	, E-001B
153800	RC-R-1-N-18	OUTLET NOZZLE WELD	1	B03.090	B-D	UT ,	, E-001B
153900	RC-R-1-N-18IR	NOZZLE INSIDE RADIUS	1	B03.100	B-D	UT , ,	, E-001B
154000	RC-R-1-N-19	INLET NOZZLE WELD	1	B03.090	B-D	UT , ,	, E-001B
154100	RC-R-1-N-19IR	NOZZLE INSIDE RADIUS	1	B03.100	B-D	UT , ,	, E-001B
154200	RC-R-1-N-20	OUTLET NOZZLE WELD	1	B03.090	B-D	UT , ,	, E-001B
154300	RC-R-1-N-20IR	NOZZLE INSIDE RADIUS	1	B03.100	B-D	UT , ,	, E-001B
154400	RC-R-1-N-21	INLET NOZZLE WELD	1	B03.090	B-D	UT , ,	, E-001B
154500	RC-R-1-N-21IR	NOZZLE INSIDE RADIUS	1	B03.100	B-D	UI,,	, E-001B
154600	RC-R-1-N-22	OUTLET NOZZLE WELD	1	B03.090	B-D	UT , ,	, E-001B
154700	RC-R-1-N-22IR	NOZZLE INSIDE RADIUS	1.	B03.100	B-D	UT , ,	, E-001B
. 154800	RC-R-1-LIG-01 TO 19	THREADS IN FLG.	1	B06.040	B-G-1	UT , ,	, E-001B
156700	RC-R-1-LIG-20 TO 38	THREADS IN FLG.	1	B06.040	B-G-1	UT , ,	, E-001B
158600	RC-R-1-LIG-39 TO 58	THREADS IN FLG.	1	B06.040	B-G-1	UT , ,	, E-001B

APPENDIX I 1R18 Completed Code Exams

Summary No.	Component Identification	Description	Class	Item	Category		Iso
160600	RC-R-1-L-3	LONGITUDINAL WELD	1	B01.012		UT , ,	
160700	RC-R-1-L-4	LONGITUDINAL WELD	1	B01.012	B-A	UT , ,	, E-001C
160800	RC-R-1-L-6	LONGITUDINAL WELD	1 :	B01.012	B-A	UT , ,	
160900	RC-R-1-L-7	LONGITUDINAL WELD	1	B01.012	B-A	UT , ,	
161000	RC-R-1-L-10	LOWER HEAD MERIDIONAL WELD	·1	B01.022	B-A	UT , ,	, E-001D
161100	RC-R-1-L-11	LOWER HEAD MERIDIONAL WELD	1	B01.022	B-A	UT , ,	, E-001D
161200	RC-R-1-L-12	LOWER HEAD MERIDIONAL WELD	1	B01.022	B-A	UT , ,	, E-001D
161300	RC-R-1-L-13	LOWER HEAD MERIDIONAL WELD	1	B01.022	B-A	ÙT,,	
161400	RC-R-1-L-14	LOWER HEAD MERIDIONAL WELD	1	B01.022	B-A	UT , ,	
161500	RC-R-1-L-15	LOWER HEAD MERIDIONAL WELD	_. 1	B01.022	B-A	UT , ,	
161600	RC-R-1-C-16	LH CIRCUMFERENTIAL WELD	1	B01.021	B-A	UT , ,	, E-001D
161700	RC-R-1-LOWER-INT	CORE SUPPORT STRUCTURE	1	B13.070	B-N-3	VT-3, ,	
161800	RC-R-1-INT-ATT	BEYOND BELTLINE REGION	,1	B13.060	B-N-2	VT-3, ,	
162000	RC-R-1-ACC-INT	INTERIOR	1 .	B13.010	B-N-1	VT-3, ,	
162100	RC-R-1-UPPER-INT	CORE SUPPORT STRUCTURE	, 1 . 1	B13.070	B-N-3	VT-3, ,	
192000	RC-TK-1-L-3	LONGITUDINAL WELD	1 `	B02.012	B-B	UT , ,	, E-001P
192400	RC-TK-1-C-7	CIRCUMFERENTIAL WELD	1	B02.011	B-B	UT , ,	
193100	RC-TK-1-RADIUS-6	NOZZLE INSIDE RADIUS	· 1	B03.120	B-D	VT-2, ,	
194800	RC-TK-1-HTR PENTS	PARTIAL PENETRATION WELDS	1	B04.020	B-E	VT-2, ,	
207500	RC-P-1A-A-1	WELDED SUPPORT	1.	B10.030	B-K	PT , ,	, E-001T
207600	RC-P-1A-A-2	WELDED SUPPORT	1	B10.030	B-K	PT , ,	, E-001T
207700	RC-P-1A-A-3	WELDED SUPPORT	1	B10.030	B-K	PT , ,	, E-001T
221700	MOV-RC-595-B3-25 TO 48	BOLTING	1	B06.210	B-G-1	UT , ,	
253100	DLW-LOOP1-1-F-01	SAFE END WELD	1	R1.11	R-A	UT , ,	
256300	DLW-LOOP1-7-F-12	SAFE END WELD	. 1	R1.11	R-A	UT , ,	
259000	DLW-LOOP2-1-F-13	SAFE END WELD	1	′R1.11	R-A	UT,	
261800	DLW-LOOP2-7-F-24	SAFE END WELD	1	R1.11	R-A	UT , ,	, L-002A
264900	DLW-LOOP3-1-F-25	SAFE END WELD	_ 1	R1.11	R-A	UT , ,	
267200	DLW-LOOP3-6-F-33	BUTT WELD	. 1	R1.11	R-A	UT , ,	
267600	DLW-LOOP3-6-F-34	BUTT WELD	1	R1.11	R-A	UT , ~,	
267900	DLW-LOOP3-7-F-36	SAFE END WELD	1	R1.11	R-A	UT , ,	
274200	RH-23-1-HSS-123	SNUBBER	· 1	F01.10N	F-A	VT-3, ,	, 0107A
274300	RH-23-1-HSS-124	SNUBBER	. 1	F01.10N	F-A	VT-3, ,	, 0107A
298000	SI-102-2A-F-1A	SOCKET WELD	1	R1.12	R-A	VT-2, ,	, 0200A
300300	SI-106-1C-S-02	SOCKET WELD	1	R1.12	R-A	VT-2, ,	, 0200B
319200	SI-74-4-HSS-420	SNUBBER	1	F01.10N	F-A		, 0375C
319400	SI-74-4-HSS-421	SNUBBER	1	F01.10N	F-A	VT-3, ,	
321200	SI-74-5-HSS-422	SNUBBER	1	F01.10N	F-A	VT-3, ,	, 0375C

APPENDIX I 1R18 Completed Code Exams

Summary No.	Component Identification	Description	Class	Item	Category	Method	Iso
329700	SI-73-7-HSS-418	SNUBBER	1	F01.10N	F-A	VT-3, , ,	0375F
332300	SI-104-1-F-02	SOCKET WELD:	1	R1.12	R-A	VT-2, , ,	0376A
371200	WFPD-23-3-HSS-208A	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0062B
371400	WFPD-23-3-HSS-207	SNUBBER	2	F01.20N	F-A	VT-3, , ,.	0062B
371500	WFPD-23-3-HSS-208	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0062B
381500	P11-G-PSSP-36A	SNUBBER	2.	F01.20N	F-A	VT-3, , ,	0115A
397700	SI-82-1-S-01	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0192A
420100	CH-79-2B-S-07	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0265A
420200	CH-79-2B-S-10	BRANCH CONN. WELD	2	R1.12	R-A	VT-2, , ,	0265A -
422600	CH-78-2B-S-10	BRANCH CONN. WELD	2	R1.12	R-A	VT-2,	0265A
422700	CH-78-2B-S-06	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0265A
425000	CH-77-2B-S-10	BRANCH CONN. WELD	2	R1.12 ,	R-A	VT-2, , ,	0265A
425200	CH-77-2B-S-05	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0265A
436000	CH-69-1-S-07	PIPE WELD	2	R1.12	R-A	VT-2, , ,	0267A
440000	CH-70-1-F-1X-A	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0267A
443800	CH-71-1-S-07	PIPE WELD	2	R1.12	R-A	VT-2, , ,	0267A
470350	CH-131-1-F-4X	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0268A
496600	SI-75-2-A-01	WELDED ATTACHMENT SUPPORT SH-230	2	C03.020	C-C	PT , , ,	0272A
509200	CH-124-10-F-09B	BRANCH CONN. WELD	2	R1.12	R-A	VT-2, , ,	0273A
512700	SI-81-1A-A-01	WELDED ATTACHMENT SUPPORT R-70	2	C03.020	C-C	PT,	0273B
512800	SI-81-R-70	SUPPORT	2	F01.20R	F-A	VT-3, , ,	0273B
624100	SI-16-6-HSS-212A	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0109A
624200	SI-16-6-HSS-212B	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0109A
635300	SI-16-3-S-11	BRANCH CONN. WELD	2	R1.12	R-A	VT-2, , ,	0115A
648620	SI-37-1-F-19	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0360A
648630	SI-37-1-F-23	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0360A
648650	SI-36-1-F-26	SOCKET WELD	2	R1.12	R-A	VT-2,	0360A
648660	SI-36-1-F-29	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0360A
648680	SI-145-1-F-01	SOCKET WELD	. 2	R1.12	R-A	VT-2, , ,	0360A
654800	SI-P-1B-1	PUMP CASING WELD	2	C06.010	C-G	PT , , ,	E-005C
654900	SI-P-1B-2	PUMP CASING WELD	2	C06.010	C-G	PT , , ,	E-005C
655000	SI-P-1B-3 .	PUMP CASING WELD	2	C06.010	C-G	PT , , ,	E-005C
655100	SI-P-1B-4	PUMP CÁSING WELD	. 2	C06.010	C-G	PT , ,	E-005C
658900	SHP-56-3-HSS-202	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0001A
659100	SHP-56-3-HSS-203	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0001A
670700	SHP-58-7-L-05	LONGITUDINAL WELD ALONG ELBOW	2	R1.11	R-A	UT , , ,	0001C
670800°	SHP-58-7-L-06	LONGITUDINAL WELD ALONG ELBOW	2	R1.11	R-A	UT , , ,	0001C
670900	SHP-58-7-F-09	PIPE WELD	2	R1.11	R-A	UT , , ,	0001C

APPENDIX I 1R18 Completed Code Exams

Summary No.	Component Identification	Description	Class	Item	Category	Method	Iso
707500	RH-9-1-S-14	BRANCH CONN. WELD	2	R1.12	R-A	VT-2, , ,	0075A
709200	RH-12-2-S-09	BRANCH CONN. WELD	2	R1.12	R-A	VT-2, , ,	0075A
721000	RH-16-3-HSS-121	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0208A
721100	RH-16-3-HSS-122	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0208A
721710	RH-E-1A-N-5	RE-INF PLATE TO INLET NOZZLE	2	C02.031	C-B	PT , , ,	E-004A
721720	RH-E-1A-N-7	RE-INF PLATE TO VESSEL (INLET)	2	C02.031	C-B	PT , ., ,	E-004A
721730	RH-E-1A-N-8	RE-INF PLATE TO VESSEL (OUTLET)	2 -	C02.031	C-B	PT , , ,	E-004A
721740	RH-E-1A-N-6	RE-INF PLATE TO OUTLET NOZZLE	2	C02.031	C-B	PT , , ,	E-004A
752700	RS-1-3C-HSS-201	SNUBBER	2 -	F01.20N	F-A	VT-3, , ,	0079A
753300	RS-1-3C-HSS-238	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0079A
853100	CC-527-PSSP-300A	SNUBBER	3	F01.30N	F-A	VT-3, , ,	0285A
853200	CC-527-PSSP-300B	SNUBBER	3	F01.30N	F-A	VT-3, , ,	0285A
866200	FC-4-HSS-5A	SNUBBER	3	F01.30N	F-A	VT-3, , ,	0071A
870400	WR-19-HSS-300	SNUBBER °	3	F01.30N	F-A	VT-3, , ,	0067A
875500	WR-9-HSS-313	SNUBBER	3	F01.30N	F-A	VT-3, , ,	0068A
903997	QS-4-10G-HSS-202	SNUBBER	2	F01.20N	F-A	VT-3, , ,	0111A
913870	CH-57-1-S-22	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	0170B
913885	CH-123-1-F-01	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1042A
914850	CH-149-1-S-22	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1254A
916200	CH-149-1-S-17	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1254A
929500	CH-99-1-S-48	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1518A
929600	CH-100-1-S-42	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1538A
929700	CH-101-1-S-38	SOCKET WELD	2	R1.12	R-A	VT-2, , ,	1510A

APPENDIX II

REPAIR / REPLACEMENT ABSTRACT AND NIS-2 FORMS

Form No	1805

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

				<u> </u>			
1. Owner	F.E.N.O.C		_ Dat	te	11-13	-2007	
76 South M	1ain Street – Akro	on, OH 44308	_ She	eet1_	of	4	ļ
2. Plant	Beaver Valley P	ower Station (B)	/PS) Uni	Unit No. 1			
Shippingport, PA 15077 (ADDRESS)				Work Order #200 Repair/Replacement 0			
3. Work Performed By BVPS Construction Service (NAME)				e Code Symbol	Stamp		1/A
	Shippingport, PA	A 15077	Aut	horization No.	-	N/A	
	(ADDRESS)					"	
			ΈX	oiration Date	··		
4. Identificatio	n of System	Main Steam (C	lass A)				
	_	13					
5. (a) Applicable	Construction Code	Section II	I1968 Edit	tion, <u>N/A</u> Addenda,		N/A Code C	Case
(b) Applicabl	e Edition of Section X	(I Utilized for Repair	Replacement Activ	vity1989			
(c) Applicabl	e Section XI Code Ca	ase(s): <u>N/A</u>					
6. Identification	n of Components						
				·			
						Corrected. Removed.	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	or Installed	Stamped (Yes or No)
				-			
Safety Valve	Dresser	BM-7756	N/A	SV-1MS-101A	1968	Removed	Yes
Safety Valve	Dresser Flow Control	BY-89642	N/A	SV-1MS-101A	2003	Installed	Yes
Disc	Dresser Flow Control	ADW93	N/A	N/A	2006	Installed	Yes
					·		
					•		
7. Description	of Work Rep	laced valve and	inlet studs & nu	uts. Prior to insta	llation I	NWS Tech	nologies
·		-					
	<u>repla</u>	aced valve disc.					· · · · · · · · · · · · ·
-							
8. Tests Cond	ucted: Hydros	tatic* 🔲 Pneı	umatic* ☐ No	ominal Operating	Pressu	re 🛛 Exe	empt 🔲
	Other [psi				
	Other [psi	. soc romp.	-	•	
	*Record tes	t pressure and temperature	.				

FORM NIS-2 (Back)

Applicable Manufacturer's Data Reports to be attached
replaced by NWS Technologies, LLC. Replaced 1-3/8" Studs: P.O. 47020638 / Ht. #K132, P.O.
10/226 160 / Ut #12962 C626 Nuto D O 46126796 / Ut #D266 D O 45129296 / Ut #D421
104336-160 / Ht. #13853-C625; Nuts: P.O 45136785 / Ht.#P366, P.O. 45138286 / Ht. #P421.
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF CONFEDANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Fype Code Symbol Stamp N/A
, , , , , , , , , , , , , , , , , , ,
Certificate of Authorization NoN/A Expiration DateN/A
G(X)
Signed Senior Specialist Date November 26 , 20 07
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-06}{10-24-07}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
· · · · -
Commissions I, J A A 3 BY Inspector's Signature Commissions I, J Page 13 BY National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date
Date

FORM NVR-1 REPORT OF REPAIR X REPLACEMENT X OF NUCLEAR PRESSURE RELIEF DEVICES

Work performed by:	NWS Technolo				55104586 Re	v. 2		
2. Work performed for:	First Energy Corpor	ration, Beaver Valley	Power	Station	· 			
3/4. Owner - name, add P.O. Box 4, Shippir		on of nuclear power	plant:	Beaver Valle	y Power Statio	n,		
 a: Repaired pressure b: Name of manufact c: Identifying nos. 	e relief device: Micturer: Consolidated	ain Steam Safety Va d / Dresser	lve	······································				
	3787A RT21	BY89642	n/a	steam	6"	2003		
d: Construction Cod	(type) le: Section III	(mfr's S/N) 1968	(NB#)	(service) n/a	n/a (size)	(yr.buitt) A		
	(name/section/divis	sion) (edition)	(ad	denda) (Co	de Cases(s))	(Code Class)		
6. ASME Code Section	XI applicable for ins	ervice inspection:		1989	n/a	n/a		
7 ACME Ondo Continu	. VI d for a second			(edition)	(addenda)	(Code Case(s))		
7. ASME Code Section	i XI used for repairs,	replacements:		1989 (edition)	n/a (addenda)	n/a (Code Case(s))		
8. Construction Code u	sed for repairs, repla	acements:		1968	n/a	n/a		
	v. ·•		<u> </u>	(edition)	(addenda)	(Code Case(s))		
9. Design responsibiliti	es: <u>n/a</u>							
10. Opening pressure: Set-pressure adjus	tment made at:	NWS Technologie		using				
	ated nozzle seat, rep	laced disc with pre-	oxidized	X750 disc, m	achined disc h			
	sembled. Certified se		ugnines	s using stean	1.			
12. Remarks: NWS Tr								
I, Cesar V. Sier	rra certify that t	ERTIFICATE OF CO	wiedge :	and belief the				
conforms to Section Xi								
National Board Certific	ate of Authorization	No. <u>632</u> to us	e the "V	R" stamp exp	oires April 3	, 2009.		
National Board Certific	•		e the N	R" stamp ex		, 2009.		
7/23/07 NWS	Repair Organization		Morized r	epresentative	<u>Ma</u>	inager, QA		
CERTIFICATE OF AISPECTION								
i, Charles F. Toe	gel Jr. holding a va				oard of Boiler a	and Pressure		
Vessei Inspectors and	•	•			h Carolina ar			
by <u>Hartford Steam B</u> or replacement descri			ford, CT			air, modification		
this repair, modification								
Code and the Nationa	I Board Inspection C	ode "VR" and "NR" r	ules.					
By signing this certification								
concerning this repair, -nor my employer shall	•		•			· ·		
arising from or connec	•		ין נקישניי.		_g_	•		
7/23/07	Johnster F. J.	usch_		8462, A, N,				
/ Dafte	Inspector's	Signature	Commi	ssions (NB (incl	endorsements), ji	urisdiction,& no.)		

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL. NUCLEAR PARTS AND APPURTENANCES'

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

						Pg. 1	of <u>2</u>
acuta	Discoursed and confided by P		rusiana 71309-14	430			
anufe	actured for First Energy Nu			Pennsylvan			
مدود	en of installation First Ener	rov Shortone Canadilan Ca. E	(name and address)		inninened	t Denneulus	nie 15077
.W.	THE THE	u) Hedear Operating Co. E	(neme et	d accress)	-ppiiippor	4 7 4 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7	
γce .		7 X-750		NA		N/A	2006
	(strawing no)	(mari apec no)		de steady)		(CRN)	(year built NVA
SME	Code Section III, Division 1:	1968	(addenda date)	_ AVE	sels, Arti	<u> </u>	(Code Case no
abrica	ated in accordance with Cons		N/A	Revision		VA	Data N/A
			(00)	- 1.			
amar)	ks: Serial Numbers Ara U	sed in Lieu Of NPT Stampin	9.	<u> </u>	<u> </u>		
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		· · · · · · · · · · · · · · · · · · ·					····
		•			[
om. ti	hickness (in) N/A Min.	design thickness (in.)	NVA Dia ID (ft	8 in.) N	A Len	ith overall (ft. & In.) N
	applicable, Certificate Holder						
					<u> </u>		
	Part or Appurtenance Serial Number	National Board No. in Numerical Order	· Pa	ert or Appurte Serial Numi		1 . 1	National Board No. Imerical Order
		IN NUMBER OF DEP	.		1	VI INC	HINGHEN CHUCH
(1)	ADW91		(26)			1	
(2)	ADW92.		622		T		
V-1			(27)		ــــــــــــــــــــــــــــــــــــــ		
(3)	ADW93		(25)				
(3) (4)			(28) (29)				
(3) (4) (5)	ADW93		(25) (29) (30)				
(3) (4) (5) (6)	ADW93		(25) (29) (30) (31)				
(3) (4) (5) (5) (7)	ADW93		(28) (29) (30) (31) (32)				
(3) (4) (5) (7) (8)	ADW93		(25) (29) (30) (31)				
(3) (4) (5) (6) (7) (8) (9)	ADW93		(28) (29) (30) (31) (32) (33)				
(3) (4) (5) (6) (7) (8) (9) (1)	ADW93		(25) (29) (30) (31) (32) (33) (34) (35) (36)				
(3) (4) (5) (6) (7) (8) (9) (1) (1) (1)	ADW93		(25) (29) (30) (31) (32) (33) (34) (35) (36) (37)				
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^{*} Supplemental information in the form of Ests: Sketches, or drawings may be used provided (1) size in 8-1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet (3) each sheet is numbered and the number of sheets is recorded at the top of this form

FORM N-2 (Back -- Pg. 2 of 2)

Certificate Holder's Serial Nos

ADWAL DWAZ ADWAL DWAL

			 		
• .	CERTIFICATION C	F DE9IGN			
Design specifications certified by	. NA	P E. State	NA	. Rag. No.	NA
	(when applicate)			•	
Design report* certified by	N/A	P E. Stete	N/A	Reg. No.	N/A
	(when applicable)				
	<u> </u>				
•	CERTIFICATE OF C	OMPLIANCE			•
We cartify that the statements made in this conforms to the rules of construction of the	s report are correct and that to a ASME Code, Section III, Dis	his (these) DISC riston 1.		<u></u>	
NPT Certificate of Authorization No.	· N-2434	Expires	5	20/2007	
Date 3-13-06 Name	SEE LINE 1	Storegreen	uda	cored.	
	{ NPT Certificate Holder }		1	ustracture (
	CERTIFICATE OF I	NSPECTION			
is the productioned, holding a valid commission of LOUISIANA.	4by KSB CT				
of HARTFORD; GT have impose	ted those thems described in this	Deta Report on	3/16	and state	titut to the
best of my knowledge and belief, the Certificate	Holder has fabilitated three part	s or appulttensaces in accord	ance with th	ASME Code.	Section
III, Division 1. Each part listed has been author By signing this certificate, eachier the inspector	and for stamping on the date sho	nm spoye. The supplied of the little of the			nária d
in this Data Report, Furthermore, mitter the in	marine on his employer that he	Eshin in any manner for any o	erected tob	ri or oropedy i	anococ or
loss of any kind arising from or connected with		the standard and any any any a			
			1	فأنمر	بهر دم تعلمنه
Date 3/9/16 Staned 15		rumissions			way
(Autro	naed Muclear Inspector	(Nact Std. (Incl.)	accomposed	a) and elete or pri	ov. and no y

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES'

	A	Required by th	e Provisions of th	e ASME C	ode, Section III, D	ivision 1		Pg. 1 of2
1.	Manufactured and ce		sser Flow Control, D Box 1430 Alexand			US Hwy 167 N	. ,	
•					(name and address of N	V Certificale Holder J		
2.	Manufactured for	First Energy Con	poration P. O. Box					
3	Location of installatio	First Energy	Corporation Beave	r Valley Po	name and address of Purch wer Station Unit #	2 Shippingpart, F	Pennsylvania	15077
4.		787A	Orifice size 1	4.18 sq in	Nom. Inlet size	ss) 6"	_ Outlet size	10°
5.	ASME Code, Section		1968 (edition)		NO addenda date)	A, ARTICL		N/A
6.	Type Sprin		1075	Fixed	Sat		250 . at	(Code Case no.)
7.	(spring, pilot or policy (spring, pilot or policy)	BY89642	(sel prossure, polg) N/A	(blowdown,	ost) (rated temp 3NC2022	p.) (hydro, Te N/	ssl, psig, intel)	2003
•		Holder's serial no.)	(CRN)		(drawing no.)	(Nart. Bo		(year built)
8.	Control ring settings	Fixed				····		
9.	Pressure retaining its	ms:						
		1	Serial No. or	. •		att. Spec.,		Tensile
		1 1	dentification			g Type or Grade		Strength
	Body	ADP38	· · · · · · · · · · · · · · · · · · ·		ASME SA216 G	R WCC		75 ksi
	Bonnel or Yoke	ADN84			ASME SA216 G	R WCC		70 ksi
	Support Rods	AD022, AD023			ASME SA193 G	R B6		
	Nozzle	ADN93			ASME SA182 GI			
	Disk	AD048			ASTM A565 GR			75 ksi
		ηισο40			ASTRIA DOS CIT			7.0 837
	Spring Washers							
	Adjusting Screws						 -	
	Spindla						· -	
	Spring	1					 	· <u> </u>
	Bolting		· · · · · · · · · · · · · · · · · · ·			·		
	Other Items	YOKE ROD N	UT HT # RH99		ASME SA194 GI	R 2H		75 ksi
	Flanges							
19.	Relieving capacity	774,229 Lb/Hi	r Steam @	107 o	verpressure as cer	lified by the Natio	onal Board	4-5-56
	r topic ting tapes try	(steam or fluid		(psi)				(date)
11.	Remarks:							
		<u> </u>					.5	
								
			·		_ 			`
				 				
			CERT	FICATION	OF DESIGN			*.
Des	sign Specification certif	ied by Louis !	P. Copian	2.5	P.E. State	California	Reg. n	o. 16001
	sign Report certified by				P.E. State	Louisiana	Reg. n	
UÇ.	ngii repuit cermed by	D. IC Sham	<u> </u>		.c. orace	Coolsiala	reg. ii	20244
							1	
			CERTIF	ICATE OF	COMPLIANCE		, ,	•
W٩	certify that the statem	ents made in this				the rules for con	struction of the	e ASME Code
	ction III, Division 1	1						
-00	Such in principle to a	i			\$ 1.			-
414	Cartificate of Authority	ation No	474	 7		me	CIANIDA	N
ΝV	Certificate of Authoriza	מעטח ואס.	1747	'	Expi	162	5/20/200	<u> </u>
								•
Dа	le 5/14/04	- Name	SEE UN		Signed	JCSharel	cons	
		i	(11/ Cerlificate	Holder)		(salte	uited concessed of	

Certificate Holder's Serial No. BY89642

I the undersigned, hold	CERTIFICATE OF INSPECTION Ing a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province
of LOUISIANA	and employed by HSB CT
of HARTFORD, CT.	have inspected the valve described in this Data Report on 5/11/04, and state that to the
best of my knowledge a	nd belief, the Certificate Holder has constructed this valve in accordance with the ASME Code: Section III. Division 1.
	e, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component
	eport. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or
property damage or a lo	ss of any kind arising from or connected with this inspection.
Date Stoley	Signed Commissions NB7774'A''W' CALEGY
	(Authorized Nuclear Inspector) (NaCL Bd. (incl. Endorsements) and state or prov. And no.*)

Form No	1806

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner	F.E.N.O.C		_ Dat	e	11-13	-2007	
76 South M	lain Street – Akro	on, OH 44308	She	eet <u>1</u>	of	4	1
2. Plant	Beaver Valley P	ower Station (B)	<u>/PS)</u> Uni	t No.	1		
	Shippingport, PA	\ 15077		Work Order #20 Repair/Replacement			
I. Work Perfor	med By BVPS	Construction Se	ervice Typ	e Code Symbol	Stamp		1/A
	Shippingport, PA	15077	Aut	horization No		N/A	
,	(ADDRESS)		Exp	oiration Date _			
. Identification	n of System	Main Steam (C	lass A)				
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components	ase(s): <u>N/A</u>	Replacement Activ	ity <u> </u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Safety Valve	Dresser	ВМ-07759	N/A	SV-1MS-102A	1968	Removed	Yes
Safety Valve	Dresser Flow Control	BY-89643	N/A	SV-1MS-102A	2003	Installed	Yes
Disc	Dresser Flow Control	ADZ44	N/A	N/A	2007	Installed	Yes
	. ••						
7. Description		laced valve and		uts. Prior to insta	allation I	NWS Tech	nologies
3. Tests Cond	ucted: Hydros Other		umatic* No	ominal Operating Test Temp.			empt 🗌

FORM NIS-2 (Back)

replaced by NWS Technologies, LLC. Replaced 1-3/8" Studs: P.O. 47020638 / Ht. #K132, P.O. 47062335 / Ht. #S339; Nuts: P.O. 45138286 / Ht. #P421. CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Senior Specialist Date November 26 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
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Signed Senior Specialist Date November 26 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSBCT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $4-19-0$ to $10-24-07$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Inspector Signature Commissions T, J, A & 3 & 4 National Board, State, Province, and Endorsements
Date

FORM NVR-1 REPORT OF REPAIR REPLACEMENT OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by: N	WS Technolog 31 Venture Boulev				# 55104586 Re	v. 2			
2. Work performed for: <u>F</u>	rst Energy Corpor	ation, Beaver Va	lley Powe	r Station					
3/4. Owner - name, addre P.O. Box 4, Shippingp		n of nuclear pow	er plant	Beaver Va	lley Power Statio	n,			
 a: Repaired pressure r b: Name of manufacture c: Identifying nos. 		in Steam Safety / Dresser	Valve						
• •	7RA RT21	BY89643	n/a	stean		2003			
d: Construction Code:	(type) Section III (name/section/divis	(mfr's S/N) 190 ion) (edit		n/a	e) (size) 	(yr.built) A (Code Class)			
6. ASME Code Section X	applicable for inse	ervice inspection	:	1989	n/a	n/a			
	•	-	_	(edition)	(addenda)	(Code Case(s))			
	7. ASME Code Section XI used for repairs, replacements: 1989 (edition) (addenda) (Code Case(s)) 8. Construction Code used for repairs, replacements: 1968 n/a n/a								
o. Constituction Code asc	a ioi repairs, repie	ocinents.	_	(edition)	(addenda)	(Code Case(s))			
9. Design responsibilities	: n/a								
10. Opening pressure: 1085 psig Set-pressure adjustment made at: NWS Technologies, LLC using steam 11. Description of work (include name and identifying number of replacement parts): Disassembled, inspected, lapped and lapped and passivated nozzle seat, replaced disc with pre-oxidized X750 disc, replaced disc holder									
(CEAR 07-23), asser				ess using ste	am.				
12. Remarks: NWS Trav									
	certify that to repair, modification of Authorization	on or replacement and the National No. 632 to No. 81 to	knowledge of the pro- Board Inso o use the o use the	e and belief tessure relief	e "VR" and "NR" expires April 3 expires April 9 M	d above			
		ERTIFICATE OF							
l, Charles F. Toege Vessel Inspectors and complete the concerning this repair, modification of Code and the National By signing this certificate concerning this repair, more my employer shall be arising from or connected.	ertificate of competer of CT d in this report on or replacement has coard Inspection Coard Inspection Coard Inspection or replace liable in any man	of hand of han	the jurisdictering the jurisdict	ction of No. That to the bedance with S makes any wreport. Futher	orth Carolina a inspected the repest of my knowled ection XI of the carranty, expression more, neither thamage or loss of	nd employed pair, modification dge and belief, of the ASME ed or implied, e undersigned any kind			
Date	Inspectors	igrature	Con	nmissions (NB (incl endorsements),	urisdiction,& no.)			

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

Pg. 1 of 2

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Manufactured and certified by P. O. Boxt 1430 Alexandria, Louislana 71309-1430		•				
Manufactured for First Energy Nuclear Operating Co. Route 168 Shippingport, Pennsylvania 15077	Di 1. Manufactured and certified by P.	O. Box 1430 Alexandria, L	ouisiana 7130	09-1430	57 N	
Cocation of installation	2. Manufactured for First Energy Nu	• • • • • • • • • • • • • • • • • • • •	169 Shipping	port. Pennsylvania 15	5077	
1. Type			(name and add	tress of purchaser)	•	
Type C3304 ASME S8837 170 KS N/A 2007	3. Location of installation First Ener	gy Nuclear Operating Co. I	Beaver Valley	Power Station Shippi	ngport, Pennsyt	vania 15077
Carwing no. N/A	4. Type OS304 ASME	SB837	f 190		N/A	2007
Separation Sep	(drawing no.)	(mattl spec. no.)		(tensile strength)		**
Rebricated in accordance with Conat. Spec. (Div. 2 only) N/A Revision N/A Date N/A	5. ASME Code Section III, Division 1:					
Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.	8. Fabricated in accordance with Cons		N/A			_ *
Norm. thickness (in.) N/A Min. design thickness (in.) N/A Dia: ID (ft. & in.) N/A Length overall (ft. & in.) N/A N/A (in.) when applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtanance	7. Remarks : Serial Numbers Are U	sed In:Lieu Of NPT Stampi			* <u>-</u>	•
Part or Appurtenance Serial Number Seria					· .	
Part or Appurtenance Serial Number Seria		•				······································
Part or Appurtenance Serial Number Seria				•		
Part or Appurtenance Serial Number Seria	R Nom thickness (in) N/A Min	design thickness (in)	N/A Dia:10	1/8 & in 1 N/A	· Length overall	(# & in) N/A
Part or Appurtenance Serial Number Board No. in Numerical Order			ed for each ite	om of this report:	ren 801 O A et ett	(it delite). INA
Serial Number Board No. in Numerical Order (26) (27) (28) (28) (28) (28) (29) (28) (29) (2		a pain Habatta Ma attach		·		
Serial Number Board No. in Numerical Order (26) (27) (28) (28) (28) (28) (29) (28) (29) (2			7		·	
In Numerical Order			1		ice -	
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(23) (48) (49) (50) (50)	*''\			·····		
(24)		·		· · · · · · · · · · · · · · · · · · ·		
(25) (50)						
						· · · · · · · · · · · · · · · · · · ·
		•] [

°F.

Hydro. Test pressure

N/A

Temp.

10. Design pressure

^{*} Supplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is 8-1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(kade roa or reat

FORM N-2 (Back __ Pg. 2 of _2)

Certificate Holder's Serial Nos. ADZ44 - ADZ47 **CERTIFICATION OF DESIGN** N/A N/A Design specifications certified by Reg. No. N/A P.E. State (when applicable Design report* certified by NA P.E. State NA Reg. No. NA (when applicable) CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this (these) DISC conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. N-2434 SEE LINE 1 **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel inspectors and the State or Province and employed by HSB CT of LOUISIANA and state that to the have inspected these items described in this Data Report on . of HARTFORD, CT. best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or properly damage or loss of any kind arising from or connected with this inspection. Commissions

(Nat'l Bd. (incl. endorsements) and st

NO. 9967 P. 2

JUN. 30. 2004 9:06AM

"CORRECTED CODE DATA REPORT"

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES'

	A	Required by the	ne Provisions of the	ASME Code, Section III,	Division 1		Pg. 1 of
===		Dre	sser Flow Control, Dri	esser Inc. La. Hwy 3225 @	US Hwy 167 N		
M	anulactured and co	atified by P. C). Box 1430 Alexandri	a, Louisiana 71309-1430		· · · · · · ·	
	1	•		(name and address o	(NV Corstonia Holder)		
1.8:	anufactured for	First Fremy Cor	noration P.O. Rox 36	11 Akron, Chio 44309-36	11		
1434	Griditeoffice ion	T ILST EDICINY CO.	pordion 1. O. Don So	(name and address of A	Charl	 _	
Lo	cation of installation	n First Energ	y Corporation Beaver	Valley Power Station Unit		nnsylvania 1	15077
	•		7 4 4 7 7 7 4 4 7 1 1 1 1 1 1 1 1 1 1 1	(same and ad-	(FECC)	AP 2 Parks	
Va			Onifica size 16.	00 Sq In Nom. Inlet size	e <u>6" </u>	Outlet size	10.
		no., series no.)		(m.)	(A)		{ fn. }
A5	BME Code, Section	III, Division 1:	1968	NO	A Article 9		N/A_
-	سم د		(edition)	(øddenda date)	(dast)		(Code Case no.)
ıy	rpe Sori		(set pressure, pcig)	33 - 98 Sa (blowdown, pol.) (retet to		oo at (paig, Inhai)	<u>70</u> .
144	eufigeagou Fabrañ baot ex b	BY-89643	(sex pressure, peng) N/A	(blowdown, pd) (roted to 3NC2022	N/A	r beid' wer?	2003
· JLJ C		L Holder's sensing.)		(dissing Ro.)	(Mari Bali	No. 1	(year built)
Co			phes, Upper + 160 N		. (,	_,	() see mark)
-							
Dn	essure retaining ite	unc.					• .
	maile seamen in the	n traf					
	*	. 9	Senal No. or	•	Mafi. Spec.		Tensila
		1.4	dentification		Ing Type or Grade		Strength
D	lodu .	ADP37	ariving(W)	ASME SA216		-	o ksi
	lody '	ADN83					0 ksi
	lonnet or Yoke				ASME SA218 GR WCC		
	Support Rods	ADO24 & ADO	125		ASME SA193 GR 86		
	lozzie	ADN92		ASME SA182			'5 ksi
	disk	ADO38		ASTM A585 G	R 616	1	VA
S	pring Washers		···				
A	djusting Bcrews			·			
S	Spindle						
S	Spring						
	Rolling						
	Other Nems	Yoke Rod Nut	HT #RH99	ASME SA194	GR 2H		VA
	Janges				7.2	<u>-</u>	***
	telieving capacity	873,601 Lb/H	r Steam @ 9	7 overpressure as c	ertified by the Nation	al Board	10-13-1987
	regionistications.	(strain or fuid,		ai) Overpressure as C	entited by the Hautin	ea Dualu	(date)
Ŕ	Remarks:	familia 404	instruct the	**)	·		(44)
-							·
_							
					 		
	 					· · · · · · · · · · · · · · · · · · ·	
		:	CERTIF	ICATION OF DESIGN		•	
ian	Specification certif	ed by Indis	P. Copian	P.E. State	California	Reg. no	16001
	Report certified by			P.E. State	Louislana	Reg. no.	
49 11	Turport borbicor by	D. I'C ORGIN			20013-01-0		
	·						. / .
			CERTIFIC	ATE OF COMPLIANCE		•	
cer	tify that the statem	ents made in this	report are correct an	d that this valve conforms	to the rules for cons	truction of the	ASME Code,
	III, Division 1.	. •	• • •	-			_
					•		•
Cer	rtificate of Authoriza	alion No.	. 1747	Ð	pires	5/20/2004	
	The second section of the second seco				T		
~~						_	
te	6/29/04	Name	SEE LINE	1 Signed	noo	has.	,

FORM NV-1 (BACK--- Pg. 2 of ______)

Certificate Holder's Serial No. By-89643

1	CERTIFICATE (OF INSPECTION	
		loard of Pressure Ve	essel Inspectors and the State or Province
of LOUISIANA of HARTFORD, CT.	and employed by HSB CT have inspected the valve descri	ibed in this Data Re	port on state that to the
best of my knowledge and bellef,	the Certificate Holder has constructed	this valve in accord	lance with the ASME Code. Section III. Division 1.
By signing this certificate, neither	ine inspector nor his employer makes	any warranty, expre	essed or implied, concerning the component liable in any manner for any personal injury or
property damage or a loss of any	kind arising from or compacted with thi		Habie in diff Himmer for any percental injury of
Date 6/30/0/ Signed	RIST	Commissions	(NgT, 151, [Incl. Endomenterits) and side or prov. And no.)
The state of the s	(Authorized Nuclear Inspector)		(Nach, Ed. (Incl. Endorsements) and skale or prov. And no.)

Form No	1807

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	F.E.N.O.C		_ Dat	e	11-13	-2007	
	76 South M	lain Street – Akro	on, OH 44308	_ She	eet1	of		1 .
2.	Plant	Beaver Valley P	ower Station (B\	<u>/PS)</u> Uni	t No.		1	
		Shippingport, PA	A 15077		Work Order #200 Repair/Replacement			
3.	Work Perfor	rmed By <u>BVPS</u>	Construction Se	ervice Typ	e Code Symbol	Stamp		1/A
		Shippingport, PA	A 15077	Aut	horization No	•	N/A	
		(ADDRESS)		Exp	oiration Date		u	
	(a) Applicable	n of System	Section III	<u>1968</u> Edit			N/A Code C	Case
		e Edition of Section >	•	Replacement Activ	rity <u>1989</u>			
	(c) Applicable	e Section XI Code Ca	ase(s): <u>N/A</u>					
6.	Identification	n of Components	3					
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
S	afety Valve	Dresser	BM-07762	N/A	SV-1MS-103A	1968	Removed	Yes
S	afety Valve	Dresser Flow Control	BY-89644	N/A	SV-1MS-103A	2003	Installed	Yes
	Disc	Dresser Flow Control	ADZ47	N/A	N/A	2007	Installed	Yes
		. ~			·			
7.	Description	of Work <u>Rep</u> i	laced valve and	inlet studs & nu	its. Prior to insta	llation I	NWS Tech	nologies
	*	repla	aced valve disc.					
8.	Tests Cond	ucted: Hydros Other [ımatic*	minal Operating Test Temp.			empt 🗌

FORM NIS-2 (Back)

replaced by NWS Technologies, LLC. Replaced 1-3/8" Studs: P.O. 47062488 / Ht. #K369;	
Nuts: P.O. 45138286 / Ht. #P421.	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the AS ode, Section XI.	ME
/pe Code Symbol Stamp N/A	
ertificate of Authorization No. N/A Expiration Date N/A	
igned Senior Specialist Date November 26 , 20 07	7
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, CT have inspected the components described in this Owner's Report during the period $\frac{4-19-0}{6}$ to $\frac{10-24-02}{6}$, and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
Owner's Neport in accordance with the requirements of the ASINE Code, Section At.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
this inspection.	
ρ	
Dear J. Signature Commissions I J PA 23 8 4 National Board, State, Province, and Endorsements	

FORM NVR-1 REPORT OF REPAIR REPLACEMENT A OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by:		gies, LLC ard, Spartanburg, S		_	55104586 Rev	1. 2
2. Work performed for:	First Energy Corpor	ation, Beaver Valley	Power St	tation	,	
3/4. Owner - name, add P.O. Box 4, Shippin		on of nuclear power p	lant: B	eaver Valley	Power Station	<u>n,</u>
5. a: Repaired pressureb: Name of manufactionc: Identifying nos.	e relief device: <u>Ma</u> turer: <u>Consolidated</u>	ain Steam Safety Val 1 / Dresser	/e			
	707RA RT21	BY89644	n/a_	steam	6"	2003
d: Construction Cod	(type) e: Section III	(mfr's S/N)	(NB#)	(service)	(size)	(yr.built)
u. Construction Cou	e. Section m (name/section/divis	1968 (edition)		<u>/a</u> enda) (Co	n/a de Cases(s))	(Code Class)
6. ASME Code Section	XI applicable for ins	ervice inspection:	•	1989	n/a	n/a
		·	•	edition)	(addenda)	(Code Case(s))
7. ASME Code Section	At used for repairs,	replacements:		1989 edition)	n/a (addenda)	Π/a (Code Case(s))
8. Construction Code u	sed for repairs, repla	cements:	•	1968	n/a	n/a
			(e	edition)	(addenda)	(Code Case(s))
9. Design responsibiliti		<u> </u>	<u> </u>	·- 		
 Opening pressure: Set-pressure adjust 		NWS Technologies	, LLC	using	steam	
	ated nozzle seat, rep	laced disc with pre-or				ed, lapped and
Certified set-press	ure and seat tightnes	s using steam.				
12. Remarks: NWS Tr	aveler #: 07-120. Nev	w disc s/n: ADZ47				
I, Cesar V. Sie		RTIFICATE OF COL				ada in this
report are correct and		o the best of my know on or replacemtn of th				
conforms to Section X	of the ASME Code	and the National Boar	d Inspec	tion Code "	VR" and "NR"	rules.
National Board Certific National Board Certific				" stamp exp " stamp exp		, 2009. , 2009.
-1-6-	Technologies, LLC	-	1 des	X		nager, QA
Date	Repair Organization			presentative		Title
	C	ERTIFICATE OF IN	PECTIO	N		
	jel Jr. holding a va					
Vessel Inspectors and					Carolina ar	
by <u>Hartford Steam B</u> or replacement descri		of Hartfo				air, modification
this repair, modification						
Code and the National						
By signing this certification						
concerning this repair, nor my employer shall	•		•		•	•
arising from or connec	•	• •	njury, pre	operty danie	.ge vi 1033 VI 6	my raina
2/23/07	frules Flel	wth_		462, A, N, I		
/ Cate /	Chaptedor's S	ignatore//	Commiss	sions (NB (Incl	endorsements), ju	risdiction,& no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES'

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

		·			g. 1 of _	<u> </u>
Dr. lanufactured and certified by P.	esser Flow Control, Dresse O. Box 1430 Alexandria, U	ouisiana 7130	9-1430	67 N		
lanufactured for First Energy Nu		169 Shipping	r NPT Certificate Holder) port, Pennsylvania 1! ress of purchaser)	5077	· · ·	<u></u>
ocation of installation First Energ	gy Nuclear Operating Co. B	Beaver Valley		ingport, Penr	nsylvania	15077
ype OS304 ASME	SB837 (mat1 spec. no.)	<u> </u>	170 KSI (tensile strength)	N//		2007 (year built
SME Code Section III, Division 1:	1968 (edition)	None (addenda d		ls, Article 9		N/A de Cese no.
abricated in accordance with Cons	· · · · · · · · · · · · · · · ·	N/A (no)	Revision	N/A	Date	N/A
emarks : Serial Numbers Are U	sed In Lieu Of NPT Stampi	ng.		•••	·	
	·		· · · · · · · · · · · · · · · · · · ·			
om. thickness (in.) N/A Min.	design thickness (in.)	N/A Dia: ID) (ft. & in.) N/A	Length ove	erall (ft. &	in.). N
hen applicable, Certificate Holder	s' Data Reports are attache	ed for each ite	m of this report:			
Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtena Serial Number		Natio Board	No.
(1) ADZ44 V	in radiishcar Order	(26)				cai Older.
(2) ADZ45 / (3) ADZ46 /		(27)	•			
(4) ADZ47 (5)		(29)			•	
197				. I		
(6)		(31)	•			:
(6) (7) (8)		(31) (32) (33)		-		· · · · · · · · · · · · · · · · · · ·
(6) (7) (8) (9)		(31) (32) (33) (34) (35)		•		:
(6) (7) (8) (9) 110) 111)		(31) (32) (33) (34) (35) (36) (37)		· · · · · · · · · · · · · · · · · · ·		
(6) (7) (8) (9) 11) 11) 12) 13)		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (38) — (39)				
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (39) — (40) — (41) —				:
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (18)		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (39) — (40) — (41) — (42) — (43) —				:
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (38) — (39) — (40) — (41) — (42) —				
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (38) — (40) — (41) — (42) — (43) — (44) —				
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)		(31) — (32) — (33) — (34) — (35) — (36) — (37) — (39) — (40) — (41) — (42) — (43) — (44) — (45) — (46) —				

^{*} Supplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is 8-1/2 x 11, (2) information in Items 2 and 3 on this Data Report is Included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back __ Pg. 2 of _2)

Certificate Holder's Serial Nos. ADZ44 - ADZ47

	CERTIFICATION O	F DESIGN			
Design specifications certified by	N/A	P.E. State _	N/A	Reg. No.	N/A
	(when applicable)			Dog No.	21/4
Design report* certified by	N/A (when applicable)	P.E. State	N/A	Reg. No.	N/A
	CERTIFICATE OF CO	DMPLIANCE			
We certify that the statements made in this conforms to the rules of construction of the	•				<u></u>
NPT Certificate of Authorization No.	N-2434	Expires		5/20/2007	g
Date 2/27/07 Name	SEE LINE 1	Signed Hall	soel	Wells of regresentative)	<u></u>
	CERTIFICATE OF I	NSPECTION			
	ed by HSB CT	The second of th	/		•
of HARTFORD, CT. have inspect	ted these items described in this	Data Report on 2/25	107	and state	
best of my knowledge and belief, the Certificate	tzed for stamping on the date sho	own above.			
By slaning this certificate, neither the inspector	nor his employer makes any war	rranty, expressed or implied,	concerning	the equipment de	escribed
in this Data Report. Furthermore, neither the ins		nacio en any manner for any	harzoust R	dona or fatobana d	restricte O.
16-67		!!		14	20
Date // Signed(Author	orized Nuclear Inspector)	ommissions (Natl. Bd. (inc	l, endorseme	ents) and state of pr	ov. end no.

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES' S.Required by the Provisions of the ASME Code, Section III, Division 1

	AS	Required by the Provisions of the	3 ASME Code, Section	JIII, DIVISION J	Pg. 1 of
		Dresser Flow Control, D	resser Inc. La. Hwy 32	25 @ US Hwy 167 N	
1.	Manufactured and ce		na, Louisiana 71309-14	430	
			(name and add	rest of NV Certificate Holder)	
2.	Manufactured for	First Energy Corporation P. O. Box 3			
	t and the after a the Co	5-15-1-0-1-0-1-0-1	(name and address		
3.	Location of installatio	First Energy Corporation Beave		Unit # 2 Shippingport, Pennsylvi	ania 15077
4.			6.00 Sq In Norm Intel		t size 10°
_ `		o series no.)	(in.)	(In.)	(h.)
5.	ASME Code, Section	III, Division 1: 1968 (edition)	NO (autdenda date)	A, Artide 9 (2)	N/A (Codo Case no.)
6.	Type Spri		33 - 99	Sat. 2250	at 70 °
	(spring, pilot or po			abed temp.) (hydro. Test, paig. Inte	1)
7.		BY-89644 N/A Holder's serial no.) (CRN)	3NC2022 (drawing no.)	(Nail Bd. No.)	
-8.		Lower - 8 Notches, Upper + 160		(uate pa no.)	(year built)
•					
9.	Pressure retaining ite	ms:	•		
		Serial No. or		Mat'l. Spec.,	Tensile
•	Dadu	Identification		duding Type or Grade 216 GR WCC	Strength
	Body Bonnet or Yoke	ADP35 ADN82		216 GR WCC	70 ksi 70 ksi
•	Support Rods	ADO26 & ADO51		193 GR 86	110 ksi
	Nazzle	ADN90		182 GR F316	75 ksi
	Disk	ADO21	ASTM A56		N/A
	Spring Washers	10021	7.07.11.710		1707
	Adjusting Screws				
	Spindle				
	Spring				· · · · · · · · · · · · · · · · · · ·
	Bolting	i			
	Other Items	Yoke Rod Nut HT #RH99	ASME SA	194.GR 2H	N/A
	Flanges				
10.	Relieving capacity		87 overpressure	as certified by the National Boar	d 10-13-1967
	n de la contra	(steam or fluid, fb/hr)	(psi)		(dale)
11.	Remarks:		 	·	
•					
					
			<u>_</u>		
				,	
_		1	FICATION OF DESIGN		
	ign Specification certifi		P.E. State		ед. по16001
Des	ign Report certified by	U. K. Sharma	P.E. State	Louisiana R	eg. no. <u>20244</u>
					
	•	CERTIFI	CATE OF COMPLIAN	CE	•
We	certify that the statement	ents made in this report are correct a	nd that this valve confo	rms to the rules for construction	of the ASME Code,
Sec	tion III, Division 1,				
٧V	Certificate of Authoriza	ation No1747		Expires 5/2	0/2004
			_		
Date	5/14/04	Name SEE LINE			
		(NV Certificate)	iolder)	(authorized repr≊	anlauve)

FORM NV-1 (BACK---- Pg. 2 of ______)

	Octulicate Fluidoi 3 Serial 140. By-03044
I, the undersigned, holding of LOUISIANA	CERTIFICATE OF INSPECTION a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province and employed by HSB CT
of HARTFORD, CT.	have inspected the valve described in this Data Report on 5/17/04, and state that to the
	belief, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1.
	neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component
	obt. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or
	s of any kind arising from of connected with this inspection.
Date S/17/cv/S	gned Black Commissions DSTM A' D' LAGGY (Natl. Bd. (Incl. Endurisments) and state or prov. And no.)
- Aget -1	(Authorized Nutrear Inspector) (Naff, Bd. (Incl. Endursements.) and state or prov. And no.)
ı	

Form No.	1808
FUHHINU.	1000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

-			**************************************				
I. Owner	F.E.N.O.C		_ Da	te	11-07	-2007	
76 South M	lain Street – Akro	on, OH 44308	Sho	eet1_	of	4	
2. Plant	Beaver Valley Po	ower Station (B\	<u>/PS)</u> Un	it No.	1	<u></u>	
	Shippingport, PA	15077		Work Order #200 Repair/Replacement 0			
3. Work Perfor	med By <u>BVPS</u>	Construction Se	ervice Ty	oe Code Symbol	Stamp		I/A
	Shippingport, PA	15077	Au	thorization No		N/A	
	(ADDRESS)		Ex	piration Date		"	
1. Identification	n of System	Main Steam (C	lass A)				
(b) Applicable	e Edition of Section X	Utilized for Repair		tion, <u>N/A</u> Addenda, vity <u>1989</u>		N/A Code C	Case
(c) Applicable	e Section XI Code Ca	se(s): <u>N/A</u>					
6. Identificatio	n of Components						
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Safety Valve	Dresser	BM-7765	N/A	SV-1MS-104A	1968	Removed	Yes
Safety Valve	Dresser Flow Control	BY-89645	N/A	SV-1MS-104A	2003	Installed	Yes
Disc	Dresser Flow Control	ADZ45	N/A	N/A	2007	Installed	Yes
7. Description	of Work Rep	laced valve and	inlet studs & n	uts.			· · · · · · · · · · · · · · · · · · ·
8. Tests Cond	Other (ps	ominal Operating i Test Temp.			empt 🗌

FORM NIS-2 (Back)

raniaced by NIMS Technologies	Applicable Manufacturer's Data Reports to be attached LLC. Replaced 1-3/8" Studs: P.O. 47062488 / Ht. #P369, P.O.
replaced by INVV3. reclinologies,	LLC. Neplaced 1-3/0 Stads. F.O. 470024007 Ht, #F309, F.O.
47082958 / Ht. #P919; Nuts: P.C	D. 45172981 / Ht.#X375.
С	ERTIFICATE OF COMPLIANCE
I certify that the statements made in the	report are correct and that this conforms to the requirements of the ASME
de, Section XI.	
on Conde Court of Change N/A	
pe Code Symbol Stamp N/A	
tificate of Authorization No. N/A	Expiration DateN/A
$(in \mathcal{L})$	•
ned XII	Senior Specialist Date November 13 , 20 07
Owner or Owner's Designee,	Title
· · · · · · · · · · · · · · · · · · ·	
CERT	TIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commission	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of
the undersigned, holding a valid commission and the State or Province of Pennsylvania	n issued by the National Board of Boiler and Pressure Vessel Inspectors
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed byHSB CT of
the undersigned, holding a valid commission of the State or Province of Pennsylvania Hartford, CT wner's Report during the period	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this
the undersigned, holding a valid commission and the State or Province of <u>Pennsylvania</u> Hartford, CT wner's Report during the period est of my knowledge and belief, the Owner h	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-09, and state that to the has performed examinations and taken corrective measures described in this
the undersigned, holding a valid commission and the State or Province of <u>Pennsylvania</u> Hartford, CT wner's Report during the period est of my knowledge and belief, the Owner h	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-09, and state that to the has performed examinations and taken corrective measures described in this
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT wner's Report during the period est of my knowledge and belief, the Owner howner's Report in accordance with the require	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-09, and state that to the has performed examinations and taken corrective measures described in this
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT where s Report during the period est of my knowledge and belief, the Owner howner's Report in accordance with the require	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI.
the undersigned, holding a valid commission of the State or Province of Pennsylvania Hartford, CT where's Report during the period lest of my knowledge and belief, the Owner havner's Report in accordance with the required y signing this certificate neither the inspector caminations and corrective measures described.	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. If nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT wher's Report during the period est of my knowledge and belief, the Owner howner's Report in accordance with the require y signing this certificate neither the inspector xaminations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-09, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI.
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT wher's Report during the period est of my knowledge and belief, the Owner howner's Report in accordance with the require y signing this certificate neither the inspector xaminations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. If nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT whener's Report during the period lest of my knowledge and belief, the Owner havmer's Report in accordance with the required by signing this certificate neither the inspector examinations and corrective measures describing the liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. If nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT when set of my knowledge and belief, the Owner havener's Report in accordance with the required y signing this certificate neither the inspector examinations and corrective measures describinal be liable in any manner for any personal his inspection.	in issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
the undersigned, holding a valid commission of the State or Province of Pennsylvania Hartford, CT Dwner's Report during the period est of my knowledge and belief, the Owner howner's Report in accordance with the required sy signing this certificate neither the inspector examinations and corrective measures described.	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. If nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Iwner's Report during the period lest of my knowledge and belief, the Owner hawner's Report in accordance with the required by signing this certificate neither the inspector examinations and corrective measures describinal be liable in any manner for any personal his inspection.	in issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this H-19-06 to 10-24-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with

FORM NVR-1 REPORT OF REPAIR Z REPLACEMENT Z OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by:	NWS Technolo 131 Venture Boule				55104586 Rev	1. 2					
. Work performed for: First Energy Corporation, Beaver Valley Power Station											
3/4. Owner - name, add P.O. Box 4, Shippin		ion of nuclear pow	er plant:	Beaver Valle	ey Power Statio	n,					
 a: Repaired pressure b: Name of manufaction c: Identifying nos. 		fain Steam Safety ed / Dresser	Valve								
• -	707RA RT21	BY89645	n/a	steam	6"	2003					
	(type)	(mfr's S/N)	(NB#)	(service)	(size)	(yr.built)					
d: Construction Cod				<u>n/a</u>	n/a	A					
	(name/section/div	vision) (editi	on) (ad	ldenda) (C	ode Cases(s))	(Code Class)					
6. ASME Code Section	XI applicable for in	service inspection:		1989	n/a	n/a					
		_		(edition)	(addenda)	(Code Case(s))					
7. ASME Code Section	XI used for repairs	, replacements:		1989	<u>n/a</u>	n/a					
O Complementing Code		1		(edition)	(addenda)	(Code Case(s))					
8. Construction Code u	sed for repairs, rep	lacements:	. —	1968	n/a	n/a					
				(edition)	(addenda)	(Code Case(s))					
9. Design responsibilities	es: <u>n/a</u>										
10. Opening pressure: Set-pressure adjus11. Description of wor lapped and passiva Certified set-press	tment made at: K (include name and ide	placed disc with pr	acement part		mbled, inspect	ed, lapped and					
12. Remarks: NWS Tr	eveler #: 07-121. No	ew disc s/n: ADZ4	5								
	C	ERTIFICATE OF	COMPLIA	ICE							
report are correct and conforms to Section XI National Board Certific National Board Certific National Board Certific Date	the repair, modification of the ASME Code ate of Authorization	e and the National to No. 632 to No. 81 to	of the pres Board Inspendence the "Volume	sure relief de	evices describe "VR" and "NR" spires April 3 spires April 9	d above					
		CERTIFICATE OF									
Vessel Inspectors and by Hartford Steam B or replacement describing this repair, modification Code and the National By signing this certific concerning this repair, nor my employer shall	poler of CT ped in this report on a or replacement has Board Inspection (ate, neither the und modification or rep	etency issued by the of	ne jurisdicti lartford, CT nd state that in accorda R" rules. mployer ma d in this re	on of Nor have in have	th Carolina as spected the rep t of my knowled ction XI of the o tranty, expresse nore, neither the	nd employed pair, modification lge and belief, if the ASME					

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES'

As Required by the Provisions of the ASME Code, Section iii
Not to Exceed One Day's Production

(drawing no.) (mail spec. no.) (tensile strength) (CRN) (year but NSME Code Section III, Division 1: 1968 None A Vessels, Article 9 N/A		actured and cert			me and address	of NPT Cert	•			
Vivo DS304 ASME SB837 (name and address) (170 KS) (Vivo KS) (Vivo KS) (Vivo KS) (Vivo KS) (Vivo KS) (Vivo KSME Code Section III, Division 1: 1968 Note that the property of the proper	lanufa	actured for Fig	rst Energy Nu	clear Operating Co. Route	169 Shipping	port, Per	nsylvania 150 chaser)	077		
Company Comp	ocatio	on of installation	First Energ	y Nuclear Operating Co. 8	Beaver Valley	Power S	tation Shippin	ngport, f	ennsylva	nia 15077
None A Vessels, Article 9 N/A Code Case in the constant of the constan	Гуре	OS304	ASME	SB637	. (11				N/A	2007
Code Case no	SME		ii Division 1	• • •		• • • • • • • • • • • • • • • • • • • •	AF 45		• •	(year but
Communication Communicatio		*	•	(edition)	(addenda	data)	. · (ċb	188)		(Code Case no
Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia: ID (ft. & in.) N/A Length overall (ft. & in.) Men applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance National Board No. Board No. In Numerical Order Serial Number Board No. In Numerical Order Dia Numerical Order Di					(no)		Kevision	NUA	٠ ــــــــــــــــــــــــــــــــــــ	AIN BIB
Part or Appurtenance Serial Number Board No. in Numerical Order	emar	ks: <u>Serial Nu</u>	umbers Are U	sed In Lieu Of NPT Stampi	ng.				·	· · · · · · · · · · · · · · · · · · ·
Part or Appurtenance Serial Number Board No. in Numerical Order				•			•	•		
Part or Appurtenance Serial Number Board No. in Numerical Order	-				•					
Part or Appurtenance Serial Number Board No.	om. t	hickness (in)	N/A Min	design thickness (in)	N/A . Dia · I	D (ft & i	n N/A	Lengti	overall (ft & in \ t
Part or Appurtenance Serial Number Board No. in Numerical Order (1) ADZ44	/hen	applicable, Cer	tificate Holder	s' Data Reports are attach	ed for each it	em of this	s report:	-co.nga	TOVOIGII (<u> </u>
Serial Number Board No. in Numerical Order (1) ADZ44 1									· · ·	· · · ·
Serial Number Board No. in Numerical Order (26) (27) (28) (28) (29) (2		Sant on Ann		At-At	1	Dark a	ergi e de e La managanta ana			A1-#1
In Numerical Order	•] :			œ [
(1) ADZ44		Cellain	unioer .		<u> </u>		sidi Nullibei	sa, c		
(2) ADZ45 / (28) (29) (29) (30) (30) (31) (7) (32) (33) (34) (34) (35) (37) (38) (37) (38) (37) (38) (39) (39) (39) (39) (39) (39) (39) (39		~			11	• •	* **			
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	(20) (21) (22)				(48)					
	(20) (21) (22) (23)									

^{*} Supplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is 8-1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back __ Pg. 2 of _2)

Certificate Holder's Serial Nos. ADZ44 - ADZ47

	CERTIFICATION C	OF DESIGN			
Design specifications certified by	N/A	P.E. State	N/A_	Reg. No.	N/A
Design report* certified by	(when applicable) N/A (when applicable)	P.E. State	N/A	Reg. No.	N/A
	CERTIFICATE OF C	OMPLIANCE	· · · · · · · · · · · · · · · · · · · 	<u></u>	:
We certify that the statements made in this conforms to the rules of construction of the				· .	
NPT Certificate of Authorization No.	N-2434	Expires	5/	20/2007	a
Date 2/27/07 Name	SEE LINE 1 (NPT Certificate Holder)	Signed Hills	southorized	representative)	
	CERTIFICATE OF I	NSPECTION			
I, the undersigned, holding a valid commission of LOUISIANA and employe	issued by the National Board of	Boiler and Pressure Vessel in	spectors and	the State or Pr	ecnivor
	ted these items described in this Holder has fabricated these par- ized for stamping on the date sh nor his employer makes any wa spector nar his employer shall be	nts or appurtanences in accordances in accordance in	ance with the	no equipment d	Section escribed
Date 2/28/67 Signed	ortzed Nuclear Inspector)	ommissions (Nat'l Bd. (inc	l, endorsement	a) and state or pr	ov. and no.)

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of

1.	Manufactured and ce		r Flow Control, ox 1430 Alexan		na 71309-		<i>.</i> 		
2.	Manufactured for	First Energy Corpor	ation P. O. Box	3611 Akron	Ohio 443	09-3611	cate Holder J	: 	
3.	Location of installation	First Energy C	orporation Bear		wer Station	ess of Purchaser) n Unit #2 Shi and eddress)	ppingport, Penns	sylvania	15077
4.		O7RA	Onfice size	16.00 Sq in			6 O	utlet size	
5 .	ASME Code, Section		1968 (editor)		NO addenda dale j		A, Article 9 (2)	 	(in.) N/A (Code Cáse no.)
6. .	Type Spring	· · · · · · · · · · · · · · · · · · ·	1110	33 - 10		Sat	2250 (hydra Yest, psk	a(
7.	Identification	BY-89645 Holder's serial ro.)	N/A (CRN)		3NC2022		N/A (Na(1, Bd. Ho.)		2003
8.	Control ring settings				(, 	(MAX: Dep No.)		(Year proje)
9.	Pressure retaining its	ms:		٠.					
		lder	ial No. or ntification	· · · · · ·		Matil. S Including Typ	e or Grade		Tensile Strength
	Body	ADP36			ASME S	A216 GR WC	C		70 ksi
	Bonnet or Yoke	ADN81			ASME S	A216 GR WC	C		70 ksi
	Support Rods	ADO29 & ADO30			ASME S	A193 GR 86			110 ksi
	Nozzle	ADN91			ASME !	SA182 GR F3	16		75 ksi
	Disk	ADP08			A MTEA	565 GR 616			N/A
	Spring Washers								
	Adjusting Screws	.							
	Spindle					··		-	
	Spring		~						
	Bolting	i						-	
	Other Items	Yake Rod Nut HT	#RH99		ASME S	A194 GR 2H			N/A
	Flanges	1000100110111			7.011.2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	`	<u> </u>	1977
10.	Relieving capacity	873,601 Lb/Hr S			varpressur	e as certified	by the National E	loard '	10-13-1967
11	Remarks:	(alean or heal than	r)	(psi)		1.0			(date)
11.	Lemons.				 -				
									
						·			
									
								_ ;; _	
			 						
٠.		1	CER	TIFICATION	OF DESIG	3N			, i
Des	ign Specification certifi	ied by Louis P.			P.E. State	1 1 1	alifornia	Reg. (no. 16001
	sign Report certified by				P.E. State		uisiana	Reg. r	**************************************
	жун төрөт энгин гү	Ī							
	مدو استحد			IFICATE OF					
	certify that the statement	ents made in this re	port are correc	and that this	s AsiA6 COU	iorms to the r	ules for construc	tion of th	ie ASME Code.
Sec	tion III, Division 1	\.\ \.			•	,	•		
							•		
NV	Certificate of Authoriza	ation No.	17	47	·	Expires		5/20/20	04
							_		
Dat	e 5/14/04	Name	SEE LI		Signe	a X	Luckcon	<u>ر</u>	
			J NV Caratica	ne Holder)	. "		[authorized re	presentativ	e)
ا					<u>.</u>				

^{*} Supplemental information in the formof lists. Sketches, or drawings may be used provided (1) size in Ratio v 11 th administration

FORM NV-1 (BACK--- Pg. 2 of ______)

Certificate Holder's Serial No. By-89645

•	CERTIFICATE OF INSPECTION
I, the undersigned, holding	a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province
of LOUISIANA	and employed by HSB CT
of HARTFORD, CT.	have inspected the valve described in this Data Report on 5/17/04 , and state that to the
	belief, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1.
By signing this certificate, r	either the inspector nor his employer makes any warranty, expressed or implied, concerning the component
	rt. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or
property damage or a loss	of any kind arising from or connected with this inspection.
dalas	Mall Marie Man Man Commercial
Date 5/17/04 Sig	ned (Authorized Nuclear Inspector) Commissions NB7774 A 'D' LAGELP (Nat'l. Bd. (Incl. Endorsements) and state or prov. And no.)
	(Without too uncest melectric)

Form No.	1809

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner	F.E.N.O.C		Dat	e	11-15	-2007	
76 South M	lain Street – Akro	on, OH 44308	_ She	eet1	of	4	<u>.</u>
2. Plant	Beaver Valley Po	ower Station (B\	<u>/PS)</u> Uni	t No.		<u> </u>	<u>.</u>
	Shippingport, PA (ADDRESS)	15077		Work Order #200 Repair/Replacement 0			
3. Work Perfor	med By <u>BVPS</u>	Construction Se	<u>ervice</u> Typ	e Code Symbol	Stamp		I/A
	Shippingport, PA	15077	Aut	horization No	_	N/A	
	(ADDRESS)	•	. Exp	oiration Date		14	
4 Identification	n of System	Main Steam (C	lass A)				
z.,			•		-	•	
	_			ion, <u>N/A</u> Addenda,		<u>N/A</u> Code C	Case
(b) Applicable	e Edition of Section X	I Utilized for Repair	Replacement Activ	rity <u>1989</u>			
(c) Applicable	e Section XI Code Ca	se(s): <u>N/A</u>					
6. Identification	n of Components	;					
Name of Component	Name of Manufacturer	Manufact urer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Safety Valve	Dresser	BM-7768	N/A	SV-1MS-105A	-1968	Removed	Yes
Safety Valve	Dresser Flow Control	BY-89646	N/A	SV-1MS-105A	2003	Installed	Yes
Disc	Dresser Flow Control	ADZ46	N/A	N/A	2007	Installed	Yes
	, 40						·
7 Description	of Work Rep	acod valve and	inlat etude & nu	ite	· · · · · · · · · · · · · · · · · · ·		
Decemption	or tronc	ACCU VAIVE AND	milet etade & He			<u> </u>	
8. Tests Cond	ucted: Hydros Other [_	umatic*	ominał Operating Test Temp.			empt 🗌

D. Remarks Code Data Reports attached. The disc on replacement valve S/N BY-89646 was Applicable Manufacturer's Data Reports to be attached	
replaced by NWS Technologies, LLC. Replaced 1-3/8" Studs: P.O. 47062488 / Ht. #P369;	<u>.</u>
Nuts: P.O. 45172981 / Ht.#X375, P.O. 45138286 / Ht. #P421.	
14dis. 1: 0. 45112901711C#X575, 1: 0. 45130200711C#F421.	
	٠- ٠
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASN Code, Section XI.	ИE
ype Code Symbol Stamp N/A	
, po code cymae, camp <u></u>	
Certificate of Authorization No. N/A Expiration Date N/A	
OO	
Signed Senior Specialist Date November 26 , 20 07	
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, CT have inspected the components described in this	
Owner's Report during the period $\frac{4-19-06}{10-24-07}$ and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
this inspection.	
Mean S. hymek Commissions I, N, PA23 PY	
Inspector's Signature National Board, State, Province, and Endorsements	
Date	
Date $\frac{1}{2}$, 20 $\frac{0}{2}$	

FORM NVR-1 REPORT OF REPAIR . REPLACEMENT . OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by:	NWS Technolo 131 Venture Boule	gies, LLC vard, Spartanburg,			# 55104586 Re	v. 2				
2. Work performed for: First Energy Corporation, Beaver Valley Power Station										
3/4. Owner - name, address and identification of nuclear power plant: P.O. Box 4, Shippingport, PA 15077 Beaver Valley Power Station,										
5. a: Repaired pressure b: Name of manufactic: Identifying nos.		lain Steam Safety Vo d / Dresser	alve							
_3	707RA RT21	BY89646	_n/a							
d: Construction Cod	(type) Section III (name/section/divi	(mfr's S/N) 1968 ision) (edition	(NB#	n/a	n/a (size) Code Cases(s))	(yr.built) A (Code Class)				
6. ASME Code Section	•			1989	n/a	n/a				
		•	_	(edition)	(addenda)	(Code Case(s))				
7. ASME Code Section	XI used for repairs,	replacements:	_	1989	n/a	n/a				
8. Construction Code u	sed for repairs, repl	acements:		(edition) 1968	(addenda) n/a	(Code Case(s)) n/a				
				(edition)	(addenda)	(Code Case(s))				
9. Design responsibiliti	es: <u>n/a</u>									
10. Opening pressure: Set-pressure adjus	ment made at:	NWS Technologie								
		placed disc with pre-			embled, inspect assembled.	ed, lapped and				
12. Remarks: NWS Tra			74							
		ERTIFICATE OF CO	MPLIA	NCE						
I, Cesar V. Sier		to the best of my kn								
report are correct and conforms to Section XI										
National Board Certific				y⊮R" stamp e		3, 2009.				
National Board Certific	ate of Authorization			NP stamp		9, 2009.				
	Technologies, LL		ape	and		anager, QA				
Date '	Repair Organization		/	representative)	Title				
CERTIFICATE OF INSPECTION I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure										
Vessel Inspectors and					rth Carolina a					
by Hartford Steam B			tford, C			air, modification				
or replacement described in this report on 23 July 2007 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME										
Code and the National Board Inspection Code "VR" and "NR" rules.										
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied,										
concerning this repair,										
nor my employer shall arising from or connec			ıı ınjury,	, property da	mage or loss of a	ally KING				
7/23/07	Shall &	Torach	NB:	# 8462. A. N	i, i NC# 1073					
Date	Inspectors	Signature			ncl endorsements), j	urisdiction,& no.)				
					_					

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES'

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

anufactured and certified by	Dresser Flow Control, Dress P. O. Box 1430 Alexandria, I	Louisiana 71309	-1430 NPT Certificate Holder)		
lanufactured for First Energy			ort, Pennsylvania 15077	· · · · · · · · · · · · · · · · · · ·	
ocation of installation First E	nergy Nuclear Operating Co.	Beaver Valley Po	ower Station Shippingpo	rt, Pennsylvani	a 15077
	ME SB637		and address) 170 KSI	N/A_	2007
(drawing no.) SME Code Section III, Division		None	ensile strength) A Vessels, Ar		(year bull N/A
abricated in accordance with Co	(edition) onst. Spec. (Div. 2 only)	(addenda date N/A		N/A . Dat	Code Case no. e <u>N/A</u>
emarks : Serial Numbers Are	Used in Lieu Of NPT Stamp	(no) ing.		<u> </u>	
			•	-	
					•
om. thickness (in.) <u>N/A</u> M hen applicable, Certificate Hole	fin. design thickness (in.)	N/A Dia. ID (ft. & in.) N/A Let	ngth overall (ft.	& in.) N
non applicable, Cerulicate Holi	iers Data Reports are attach	ed tot each trem	or this report.		
Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	Bos	itional ird No.
(1) ADZ44 V	ut tadinetical Oldel	(36)		RINUME	rical Order
(2) ADZ45		- (26) (27)		+	•
(3) ADZ46		(28)	1		
(4) <u>ADZ47</u> /-		(30)			
(6)	.	(31)	7, 1, 1, 1		:
(7)		(32)		•	
(8)		(33)			
(9)		(34)			·
10)		(35)	<u>- · · · · · · · · · · · · · · · · · · ·</u>		
148	į –	(36)			
12)		(37)		1	
12) 13)		(38)			
(2) (3) (4)		(38)			
(2) (3) (4) (5)		(38) (39) (40)			
2) 3) 4) 5) 6)		(38)			
(2) (3) (4) (5) (6) (7)		(38) (39) (40) (41)		•	
(2) (3) (4) (5) (6) (7) (8)		(38) (39) (40) (41) (42) (43) (44)			
(2) (3) (4) (5) (6) (7) (8) (9)		(38) (39) (40) (41) (42) (43) (44) (45)			
(2) (3) (4) (5) (6) (7) (8) (9) (20)		(38) (39) (40) (41) (42) (43) (44) (45) (46)			
(2) (3) (4) (5) (6) (7) (8) (9) (20) (21)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47)			
12) 13) 14) 15) 16) 17) 18) 19) 20) 21)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)			
11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21) 22) 23) 24)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47)			

^{*} Supplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is 8-1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back __Pg. 2 of _2)

Certificate Holder's Sertal Nos. ADZ44 - ADZ47

	CERTIFICATION (OF DESIGN		
Design specifications certified by	N/A	P.E. State	N/A Reg. No.	N/A
	(when applicable)			
Design report* certified by	N/A (when applicable)	P.E. State	N/A Reg. No.	N/A
	(Atten abbreaus)			* *
	CERTIFICATE OF C	COMPLIANCE		•
We certify that the statements made in this conforms to the rules of construction of the				
NPT Certificate of Authorization No.	N-2434	Expires	5/20/2007	A
Date 2/25/07 Name	SEE LINE 1	Signed H	saelealh	
	(NPT Certificate Holder)		(authorized representative)	
I, the undersigned, holding a valid commission of LOUISIANA and employe	CERTIFICATE OF issued by the National Board of id by HSB CT		inspectors and the State or	Province
of HARTFORD, CT. have inspect best of my knowledge and belief, the Certificate III, Division 1. Each part listed has been author By signing this certificate, neither the inspector in this Data Report. Furthermore, neither the Iris loss of any kind arising from or connected with Date 17607 Signed	Holder has fabricated these pa zed for stamping on the date sh nor his employer makes any we spector nat his employer shall b the inspection.	irts or appurtenances in according to above. Irranty, expressed or implied.	dance with the ASME Code concerning the equipment	s, Section

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

1:	Manufactured and ce			ser Inc. La. Hwy 32 , Louisiana 71309-1	430						
2.	Manufactured for	First Energy Corpor	ration P. O. Box 361		fress of NV Certificate Holde 9-3611	r).					
-	7	irst Energy Corporation P. O. Box 3611 Akron, Ohio 44309-3611									
3.	Location of installation	First Energy C	First Energy Corporation Beaver Valley Power Station Unit # 2 Shippingport, Pennsylvania 15077								
4.		D7RA		0 Sq In Nom. Inla	t size 6"	Outlet size					
5.	ASME Code, Section		1968	NO NO	(n.) A, Art	de 9 (2)	(in.) N/A				
6.	TypeSprin	0		(adder da dale) 34 - 101	Sat.	^(ass) 2250 a	(Code Case no.) t 70 °F				
	(spring, pilot or po-				ated temp.) (hyd	ra. Test, psig, Inlet)					
·7.		Holder's serial no.)	(CRN)	3NC2022 (drawing no.)	(4)	N/A	2003				
я .	Control ring settings				(Nā	(I. Bd. No.)	(Aear prujt)				
	coulde und actura	1									
9.	Pressure retaining iter	ns:									
,			ial bia as	* . *	Mall. Spec						
		1	ial No. or hification	lo	matt. Spec., Iduding Type or Gra	ida	Tensile				
	Body .	ADP34	Мисация		216 GR WCC	ius .	Strength 70 ksi				
	Bonnet or Yoke	ADN85			216 GR WCC	 .	70 ksi				
	Support Rods	ADO27 & ADO28			193 GR B6	 · .	110 ksi				
	Nozzle	ADN89			182 GR F316		75 ksi				
	Disk	ADP06			65 GR 616		N/A				
	Spring Washers	ADI 00		75.4173	03 (31) (10		- MA				
	, -			<u> </u>							
٠,	Adjusting Screws					 .	<u> </u>				
	Spindle	- 									
	Spring										
	Bolting Charles	Yoke Rod Nut HT	#DLIOD	ACME CA	194 GR 2H		A1/A				
	Other Items	TOKE KUU MULTIT	MICHOS .	, ASIVIE SA	154 GR 211		N/A				
• • •	Flanges	873,601 Lb/Hr St	eam @ 58		as certified by the N	oliopal Deput	40 40 4007				
10.	Relieving capacity	(steam or fluid, libiter			as ceruneu by-ure is	anonar boatd	10-13-1967 (date)				
11.	Remarks:		<u></u>								
		- 									
•		<u> </u>			· · · · · · · · · · · · · · · · · · ·	- 					
				· .							
		- 									
							/ 1				
			CERTIFIC	ATION OF DESIGN	l						
Des	ign Specification certific	ed bly Louis P. C	opian	P.E. State	California	Reg. r	no. 16001				
Des	ign Report certified by	D. K. Sharma		P.E. State	Louisiana	Reg. r	10. 20244				
·											
:			OCOTICIOA	TE OF COMPULATION	s.÷						
161-	and the state of a second	ntodo in this co-		TE OF COMPLIAN			16115.0				
	certify that the stateme tion III, Division 1.	ans made in this rep	on are correct and	high his Agive COULO	ins to the fules lor (າກາຂາກຕາດນ ດັ່ງໃນ	IE ASM⊏ Code,				
360	DOUBLE, DIVISION 1.						,				
NV	Certificate of Authoriza	tion No.	1747		Expires	5/20/20	04				
٠.					-	7.					
Date	e 5/14/04	Name	SEE LINE 1	Signed	Jeslend	ion					
			A NV Certificate Hold	r1	(1	uthorized representative	2 }				
ــــــــــــــــــــــــــــــــــــــ			`	<u> </u>							

*Supplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is R-10 v 11 771

FORM NV-1 (BACK-Pg. 2 of 2)

		Certificate Holder's Serial No. By-89646
	•	CERTIFICATE OF INSPECTION
i, th of	e undersigned, holding LOUISIANA	a valid commission issued by the National Board of Pressure Vesser Inspectors and the State or Province and employed by HSB CT
of	HARTFORD, CT.	have inspected the valve described in this Data Report on 5/17/04, and state that to the
		belief, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1.
		either the inspector nor his employer makes any warranty, expressed or implied, concerning the component or Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or
		of any kind arising from or coanected with this inspection.
Nafe	e Sinky sig	ned Black Commissions WETTA A'N' LAGGE
Dan	<u> </u>	[Authorized Nuclear Inspector) [Nat'l. Bd. (incl. Endortements) and state or prov. And no.)

	N 4 -	1822
Form	MO.	1877
1 01111	110.	1044

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	F.E.N.O.C.		· · · · · · · · · · · · · · · · · · ·	Pate	10/	/31/2007	
	76 South Mai	in Street – Akron, O	H 44308	S	Sheet	1	of	1
2.	Plant B	eaver Valley Power	Station	ι	Jnit No.		_1	
•	S	hippingport, PA 150 (ADDRESS))77	<u> </u>			#200134005 ration P.O. No., Job N	lo., etc.
3.	Work Perform	ned By <u>BVPS Con</u>		rvice 7	ype Code Sym	nbol [,] Stan	np <u>Not Apr</u>	olicable
	S	hippingport, PA 150)77		Authorization N	0	N/A	·
		(ADDRESS)		E	Expiration Date		N/A	
4	Identification	of System <u>Chi</u>	lled Water ((23)			-	
6.	(c) Applicable	Edition of Section XI Utili: Section XI Code Case(s) of Components		Replacement A	ctivity 1989	, '·		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
	Valve	Crane	N/A	N/A	1AC-339	1976	Removed	No
	Valve	Velan	07-003-1	N/A	1AC-339	2007	Installed	No
	Pipe	Energy & Process	N/A	N/A	Ht #A62935	2006	Installed	No
					·			
7.	Description o	f Work Replaced	d valve and p	oipe.				
8.	Tests Condu	Other 🗌	* Pneu Pressure ure and temperature		Nominal Opera psi Test Te	ating Pre	*	cempt 🗌

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI. I certificate of Symbol Stamp N/A Expiration Date N/A Sertificate of Authorization No N/A Expiration Date N/A Sertificate of Authorization No N/A Expiration Date N/A Sertificate of Authorization No N/A Expiration Date N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report-during the period 4-19-04 to 10-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. The Code Symbol Stamp N/A Expiration Date N/A Senior Specialist Date November 7 20 07 CERTIFICATE OF INSERVICE INSPECTION If, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-0 to 10-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME and section XI. The period of Symbol Stamp N/A Expiration Date November 7., 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Downer's Report-during the period 4-19-0 to 10-24-07, and state that to the post of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME de, Section XI. pe Code Symbol Stamp N/A pridicate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 7., 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Domer's Report-during the period 4-19-0 to 10-24-07, and state that to the lest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
certificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 7, 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this power's Report during the period 4-19-0 to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
certificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 7, 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period 4-19-06 to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period 4-19-06 to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period 4-19-06 to 10-24-07, and state that to the lest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-06 to 10-29-07, and state that to the lest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-06 to 10-24-07, and state that to the lest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period $4-19-06$ to $10-29-07$, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period $4-19-06$ to $10-24-77$, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Hartford, CT have inspected the components described in this owner's Report during the period $4/-19-0\%$ to $10-24-77$, and state that to the sest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-24-77}{}$, and state that to the sest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
his inspection.
Dean S. hywh Commissions I, N, PA & 384 Inspectors Signature Commissions T, N PA & 384 National Board, State, Province, and Endorsements
Date

Form No	1846

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner	F.E.N.O.C		_ Dat	e	10/24	2007	
	ain Street – Akro	n, OH 44308	_ She	eet1_	of	1	
2. Plant	Beaver Valley Po	ower Station (B)	<u>/PS)</u> Uni	t No	1		
	Shippingport, PA	15077		Work Or Repair/Replacement O		0014451 P.O. No., Job No	o., etc.
3. Work Perfor	med By <u>BVPS</u>	Construction Se	ervice Typ	e Code Symbol \$	Stamp	1	I/A
	Shippingport, PA	15077		horization No		N/A	
4 Idoptification	n of System	Divor Mater (O	·	iration Date			
(a) Applicable(b) Applicable(c) Applicable	Construction Code _ e Edition of Section X e Section XI Code Ca	ANSI B31	. <u>1 1967</u> Edit			<u>N/A</u> Code C	Case
6. Identification	n of Components		,				·
Name of Component	Name of Manufacturer	Manufacturer . Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Rubber Expansion Joint	Garlock	N/A	N/A	REJ-1RW-4B1	1994	Removed	No
Rubber Expansion Joint	Garlock	N/A	N/A -	REJ-1RW-4B1	2003	Installed	No
		"				·	·
			-		Y		
7. Description	of Work <u>Repl</u>	aced expansion	joint, spacer p	ate, and inlet/out	tlet flan	ge studs &	nuts.
8. Tests Cond	Other [psi	ominal Operating Test Temp.			empt []

9. Remarks No Code Data Report available. Previous NIS-2 Data Report No: 703. Replaced Spacer Applicable Manufacturer's Data Reports to be attached
Plates: P.O. 45204175 / Ht. #T6842/6B, P.O. 45163730 / Ht. #4102172; 1-1/4" Studs: D149199-28,
Ht. #J662, P.O. 101186 / Ht. #PWK; Nuts: P.O. 47030430 / Ht. #A201
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Specialist Data Mayombor 26 20 07
Signed Senior Specialist Date November 26, 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-0}{5}$ to $\frac{10-24-07}{5}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Durging this soutificate paths the increase marking another as also assume the consequent of the consequent to
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Commissions T, N, 1423 Y Inspector's Signature National Board, State, Province, and Endorsements
Date, 20, 20

Form No.	1852
----------	------

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY AS Required by the Provisions of the ASME Code Section XI

1. Owner	F.E.N.O.C		_ Date)	10	/23/06	
76 South M	lain Street – Akro (ADDRESS)	on, OH 44308	_ She	et	<u> </u>	of1	<u> </u>
2. Plant	Beaver Valley Po	ower Station (BV	<u>'PS)</u> Unit	No		1	
	Shippingport, PA (ADDRESS)	15077				200018239 tion P.O. No., Job N	o., etc.
3. Work Perfor	rmed By <u>FENO</u>	C Maintenance	Тур	e Code Symbo	ol Stamı	p <u> </u>	N/A
-	Shippingport, PA	15077	Auth	norization No.		N/A	
	(ADDRESS)		Exp	iration Date		u	
 (a) Applicable (b) Applicabl (c) Applicabl 	n of System Construction Code e Edition of Section X e Section XI Code Ca n of Components	ANSI B31.1 (I Utilized for Repair/ ase(s): N/A	1967 Edition,		I <u>/A</u> Code	Case	
	1						1 451.5
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	. ASME Code Stamped (Yes or No)
Check Valve	C & S Valve	92-2019-06(Q)-1	N/A	1RW-106		Corrected	No
Plate	Crane Nuclear	D5027	N/A	HT# 0631	2006	Installed	No
Plate	Crane Nuclear	D5028	N/A	HT# 0631	2006	Installed	No
		e: .		`			
				i i			
7. Description	of Work <u>Insta</u>	all Plates in spare	e valve.				
8. Tests Cond	ducted: Hydros Other	tatic*	ımatic*	•	_	sure	empt 🛚

*Record test pressure and temperature

	rks No Code Data Report available. Previous NIS-2 Data Report: 1756, 1413, 1318, 1220, Applicable Manufacturer's Data Reports to be attached Plate PO# 45178744.
	<u> </u>
	CERTIFICATE OF COMPLIANCE
l certif ode, Se	that the statements made in the report are correct and that this conforms to the requirements of the ASME ction XI.
ype Cod	e Symbol Stamp N/A
ertificate	of Authorization No. N/A Expiration Date N/A
Signed <u>~</u>	Serie Specialist Date November 2, 20 06 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the und	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	state or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of
	Hartford, CT have inspected the components described in this Report during the period $4-19-06$ to $1/1-2-06$, and state that to the
	Report during the period $\underline{\sqrt{-/9-06}}$ to $\underline{//-2-06}$, and state that to the y knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Report in accordance with the requirements of the ASME Code, Section XI.
By signir	g this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	ions and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
	iable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
0	
تلاير_	Commissions I, N, A 2384 Inspector's Signature Commissions A 2384 National Board, State, Province, and Endorsements
Date	11-2-, 20 <u>0 b</u>

Form	Nο	1926

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	F.E.N.O.C		_ Date		12/18/	2007	
76 South M	lain Street - Akro	n, OH 44308	She	et1	of	1	
Plant	Beaver Valley Po	wer Station (B	VPS) Unit	No	1		·
	Shippingport, PA	15077		Work C Repair/Replacemen		0168313 P.O. No., Job N	o., etc.
Work Perfor	rmed By <u>BVPS</u>	Maintenance (NAME)	Туре	e Code Symbo	l Stamp		1/A
	Shippingport, PA	15077	Auth	orization No		N/A	
	(ADDRESS)			ration Date		4	
Identificatio	n of System	Component Co					
(a) Annlicable	Construction Code	ANSI R3	1 1 1973 Editio	on S'73-Addend	ta.	N/A Code (`ase
. ,	e Edition of Section X				Ju,	Tim Code (7030
, , , , ,	e Section XI Code Ca	•				•	
Identificatio	n of Components	,		•			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Check Valve	TRW Mission	N/A	N/A	1CCR-4	1976	Removed	No
Check Valve	Crane Nuclear	B5373	N/A	1CCR-4	2007	Installed	No
			·				
						}	
· · · · · · · · · · · · · · · · · · ·	·		<u> </u>				l
. Description	of Work Repl	aced valve with	n spare.		•		
		·	<u> </u>	·			<u></u>
							empt 🔲

tificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date December 20 , 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this wher's Report during the period 4-/8-06 to 10-24-07, and state that to the set of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher's Report in accordance with the requirements of the ASME Code, Section XI. It is gigning this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the aminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer mall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with is inspection. Commissions T. Neads 84 National Board, State, Province, and Endorsements	Remarks No Code Data Report available. *Year installed. Applicable Manufacturer's Data Reports to be attached	
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME le, Section XI. e Code Symbol Stamp N/A Expiration Date N/A Senior Specialist Date December 20 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this wher's Report during the period 4-18-06 to 10 -24-07 and state that to the set of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher's Report in accordance with the requirements of the ASME Code, Section XI. It is signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the aminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with s inspection. Commissions Adams		
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME le, Section XI. e Code Symbol Stamp N/A Expiration Date N/A Senior Specialist Date December 20 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this wher's Report during the period 4-18-06 to 10 -24-07 and state that to the set of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher's Report in accordance with the requirements of the ASME Code, Section XI. It is signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the aminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with s inspection. Commissions Adams		
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME le, Section XI. e Code Symbol Stamp N/A Expiration Date N/A Senior Specialist Date December 20 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this wher's Report during the period 4-18-06 to 10 -24-07 and state that to the set of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher's Report in accordance with the requirements of the ASME Code, Section XI. It is signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the aminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with s inspection. Commissions Adams		
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	respectures signature National board, State, Province, and Endorsements	
	Date, 20	

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Form No.	1933

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner	F.E.N.O.C		_ Dat	e	01/16	6/2007	
76 South N	fain Street - Akre	on, OH 44308	_ She	eet1	of	f	2
. Plant	Beaver Valley P	ower Station (BV	<u>/PS)</u> Uni	t No.		1	
	Shippingport, PA	A 15077		Work C		00176406	o etc
Work Perfo	rmed By _BVPS	-Maintenance	Tvr	e Code Symbo			u, o.u. V/A
. WORLEIO	,	(NAME)		-	·	•	N/A
	Shippingport, P/ (ADDRESS)	A 15077		horization No		N/A	
:			Exp	oiration Date			
. Identificatio	n of System _	River Water (Q	3)			······	
. (a) Applicable	Construction Code	Section III	1977 Edit	ion,S'79 Addend	ia,	Code Ca	ıse
The second second	•	(I Utilized for Repair/I					
(c) Applicabl	e Section XI Code Ca	ase(s):	·				
. Identificatio	n of Components	3	•••				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Check Valve	Crane Valve	D0551	N/A	1RW-158		Removed	Yes
Check Valve	Crane Nuclear	D4670	N/A	1RW-158	2006	Installed	Yes
in the second se	kinado <u>-</u> pro 1894) as	n de de la completa del la completa de la completa	er Bry tot				
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<u> </u>					1		
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	of Work <u>Repl</u>	aced valve and in	nlet/outlet flang	e studs/nuts.			·
	of Work Repla	aced valve and in	nlet/outlet flang	e studs/nuts.			·

*Record test pressure and temperature

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CER	RTIFICATE OF COMPLIANCE
	eport are correct and that this conforms to the requirements of the ASME
de, Section XI.	
e Code Symbol Stamp N/A	
tificate of Authorization No. N/A	Expiration DateN/A
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ned Owner or Owner's Designee, Title	Senior Specialist Date February 26 , 20 07
Come of Owner's Designee, Title	
CERTIFI	ICATE OF INSERVICE INSPECTION
CERTIFI	ICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commission is:	sued by the National Board of Boiler and Pressure Vessel Inspectors
the undersigned, holding a valid commission isond the State or Province of <u>Pennsylvania</u>	sued by the National Board of Boiler and Pressure Vessel Inspectors and employed byHSB CT of
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FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

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1.	Manufactured and cer	runed by	CKANE	Nuclear, Inc., (nam		igton Boulevan of NPT Certificate		igbrook, i	L 60440	
2.	Manufactured for _F	irst Energy Corporation	on, PO E	lox 345 Shippir	ngport, PA	15077				
	A manifest of the Astherica									
3.	Location of installation	Beaver Valley Nucle	ar Power	Plant, Route 168.	Shippingpo (name and	ort, PA 15077 address)			·	
4.	Model No., Series No.	, or Type <u>K1</u>	5-CEP	Drawing		802791	Rev.	<u>B</u> _	CRN	N/A_
5 .	ASME Code, Section I	III Dhásina 4	4077	C	1070	•			NA	
Э.	ASINE Code, Section	III, DIVISION 1.	(edition)		mer 1979 enda dale)	(das			(Code Cas	
6.	Pump or valve	Duo-Chek Valve		Nominal inlet:	size	(in.)	Outlet	size _	3 (in.)	
7.	Material:									
	(a) valve Body (b) pump Casting	SA351 CF8M N/A	Bonnet Cover	N/A N/A	Disk Bolting	SA351 CF8N	<u>-</u>	Bolting	SA479	TP 316
	(a)	(b)		(c)		(d)	_		(e)	
	Cert. Holder's	Nat'l Board		Body/Casing Serial		Bonnet/Cove Serial	r		Disk Serial	
	Serial No.	No.		No.		No. :		•	No.	
	D4669	N/A		D4670		N/A			4671 & D4	672
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^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back) --- Pg. 2 of 2

			Certificate H	lolder's Serial No	-	<u>D</u>	4669	
8	Design conditions		Psi		r valve (pressure dass	150	· .
		(pressure	(temp	erature)				
3.	Cold working pressure	275	Psi at	100°F			٠	
0.	Hydrostatic test	425 1	Psi. Disk differ	ential test pressi	ire	305		Psi
1.	Remarks: SO No. 274	82-01 PO No. 4517	0559, Item 00 001		• •			
	Valve Tag: VCI-15X-Q	W.						
•	· · · · · · · · · · · · · · · · · · ·						<u> </u>	
•				3.0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		CERT	TIFICATION OF E	DESIGN				
lesig	n Specifications certified by	/ Francis	s Salmon	P.E. State	PA	Reg. No.	3385-E	·
esig	n Report certified by	N/A		P.E. State	N/A	Reg. No.	N/A	_
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Cer	tificate of Authorization No.	<u></u>	N-2899	Expires	Septe	mber 24, 2008	<u>}</u>	_
					1	111	1.	
ate	05/25/06Nam		Nuclear, Inc.	Signed _	lenny	authorized represe	ntative)	_
	•	(****	,			erome A. Kurows	*	
			·	· .				
		CERTIF	CATE OF INSP	ECTION				
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tate nd st ith th y sig omp	or Province of Hartford, CT ate that to the best of my kine ASME Code, Section III,	I commission issued to filmois Have inspected the nowledge and belief, to Division 1. the inspector nor his a Report. Furthermore	by the National Bo and employed b pump, or valve, on the Certificate Hole employer makes a c, neither the insp	pard of Boiler and y described in this der has construction warranty, expector nor his em	Data Roted this pressed ployer si	HSBCT eport on pump, or valve or implied, cor half be fiable in	05/25/06 e, in accordance	- · · · ce
tate nd st ith th y sig omp	or Province of Hartford, CT ate that to the best of my king that the best of t	I commission issued to filmois Have inspected the nowledge and belief, to Division 1. the inspector nor his a Report. Furthermore	by the National Bo and employed b pump, or valve, on the Certificate Hole employer makes a c, neither the insp	pard of Boiler and y described in this der has construction warranty, expector nor his em	Data Roted this pressed ployer si	HSBCT eport on pump, or valve or implied, cor half be fiable in	05/25/06 e, in accordance	- ce
tate ind st ith th y sig omp	or Province of Hartford, CT ate that to the best of my king that to the best of my king the ASME Code, Section III, ning this certificate, neither onent described in this Data ersonal injury or property data.	I commission issued to filmois Have inspected the nowledge and belief, to Division 1. the inspector nor his a Report. Furthermore	oy the National Bo and employed b pump, or valve, on the Certificate Hole employer makes a c, neither the insp	pard of Boiler and y described in this der has construction warranty, expector nor his emit or connected with	Data Roted this pressed ployer si	HSBCT eport on pump, or valve or implied, cor half be flable in	05/25/06 e, in accordance	- ce
tate nd st ith th y sig omp	or Province of Hartford, CT ate that to the best of my king that the best of t	I commission issued to filmois Have inspected the nowledge and belief, to Division 1. the inspector nor his a Report. Furthermore	by the National Bo and employed b pump, or valve, the Certificate Holi employer makes a c, neither the insp and arising from o	pard of Boiler and y described in this der has construction warranty, expector nor his emit onnected with ons	Data Roted this pressed ployer sithis insp	HSBCT eport on pump, or valve or implied, cor half be fiable in	05/25/06 e, in accordance neeming the nany manner i	- ce

For manually operated valves only.

Form	Nο	1988	
1 (3) (1)	INU.	1300	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

76 South M	(NAME)						
	lain Street – Akro (ADDRESS)	n, OH 44308	_ She	eet1	of	1	
Plant	Beaver Valley Po	wer Station	Uni	t No	1		
*****	Shippingport, PA	15077		Work O		00211882	etc
Work Perfor	rmed By <u>BVPS</u>	Construction Se	ervice Typ	e Code Symbol	-	Not Applic	
	Shippingport, PA	15077	Aut	horization No		N/A	•
	(ADDRESS)		Exp	oiration Date		N/A	
. Idontificatio	n of System <u>F</u>	looiroulation Car	roy (Class C)				
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components	•	Replacement Activ	rity <u>1989</u>			
(c) Applicable	e Section XI Code Ca	•	Replacement Activ	Other	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes o
(c) Applicable Identificatio	e Section XI Code Ca n of Components	se(s) <u>N/A</u> Manufacturer	National Board	Other		Removed, or	Code Stampe (Yes o
(c) Applicable Identificatio	e Section XI Code Ca n of Components Name of Manufacturer Industrial	Manufacturer Scrial No.	National Board No.	Other Identification	Built	Removed, or installed	Code Stampe (Yes o
(c) Applicable Identificatio	e Section XI Code Ca n of Components Name of Manufacturer Industrial	Se(S) <u>N/A</u> Manufacturer Scrial No.	National Board No.	Other Identification	Built	Removed, or installed	Code Stampe (Yes o
(c) Applicable Identificatio	e Section XI Code Ca n of Components Name of Manufacturer Industrial	Manufacturer Scrial No.	National Board No.	Other Identification	Built	Removed, or installed	Code Stampe (Yes o
(c) Applicable Identificatio	e Section XI Code Ca n of Components Name of Manufacturer Industrial	Manufacturer Scrial No.	National Board No.	Other Identification	Built	Removed, or installed	Code Stampe (Yes o

9. Remarks <u>Previous NIS-2 Report Nos: 1818, 1697, 1577, 1417, 1251, 945, 854, 697, 690, 595, 557,</u> Applicable Manufacturer's Data Reports to be attached
435, and 295. Copy of original Code Data Report in 1577. Replaced 3/4" Studs: P.O. 45210736 /
Ht. #251F; Nuts: P.O. 45204172 / 443C.
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMMERCION
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
$\mathcal{L}_{\mathcal{O}}(\mathcal{C}_{\mathcal{O}})$
Signed Senior Specialist Date November 08 , 20 07
Owner of Owner's Designee, Tale
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT
have inspected the components described in this Owner's Report during the period $4-79-06$ to
<u>/ 0 - メソ - 0.7</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective
measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Aignature Commissions NB 9428 ANTB PA 23 89 National Board, State, Province, and Endorsements
Date

Form No	1989	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	F.E.N.O.C.		_ Da	ite	•	10/17/	2007	
76 South M	ain Street - Akror	n, OH 44308	_ Sł	neet	11	of	1	
Plant	Beaver Valley Po	wer Station	Ur	nit No		1		
	Shippingport, PA (ADDRESS)	15077					0211884 · P.O. No., Job No.,	elc.
Work Perfor	med By BVPS	Construction Se	rvice Ty	pe Code S	ymbol St	amp	Not Applic	able_
	Shippingport, PA	15077	Aı	ıthorization	No		N/A	
	(ADDRESS)		Ex	piration Da	te		N/A	
Identification	n of System <u>R</u>	acirculation Sor	· ·av. (Class C)					
	Section XI Code Case	se(s) <u>N/A</u>					-0841 W	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe Identific		Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	Industrial Processes	6301-3	3181	IRS-E	-IC	1971	Corrected	Yes
Description	of Work Repl	aced flange stud	ds & nuts and	seal welde	d new di	aphra	gms.	
Tests Cond	ucted: Hydrost	atic*	ımatic* ☐ 1	lominal Op	erating F	ressu	re 🛛 Exe	mpt [

	port in 1578. Replaced 3/4" Studs: P.O. 47145149 / Ht. #OB65;
Nuts: P.O. 45204172 / Ht. #443C.	
CERT	IFICATE OF COMPLIANCE
I certify that the statements made in the repo	ort are correct and that this conforms to the requirements of the ASME
ype Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration DateN/A
Signed Owner's Designee, Title	Senior Specialist Date November 08 , 20 07
CEDTIEIC	ATE OF INSERVICE INSPECTION
oen in	ATE OF INDERVICE INDICESTION
I, the undersigned, holding a valid commission issu	ed by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania	and employed by HSB CT of Hartford, CT
and the State or Province of Pennsylvania	and employed by HSB CT of Hartford, CT
and the State or Province of <u>Pennsylvania</u> a have inspected the components described in this O	wher's Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective
and the State or Province of <u>Pennsylvania</u> a have inspected the components described in this O	and employed by HSB CT of Hartford, CT where's Report during the period 4-19-06 to
and the State or Province of Pennsylvania and the State or Province of Pennsylvania and the State that components described in this Order's Report in according to the State of the State o	and employed by HSB CT of Hartford, CT where s Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI.
and the State or Province of Pennsylvania and the State or Province of Pennsylvania and the State the components described in this Or O - 14 - 0 and state that to the best of my knowledge measures described in this Owner's Report in accordance. By signing this certificate neither the inspector nor	wher's Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. this employer makes any warranty, expressed or implied, concerning the
and the State or Province of Pennsylvania anave inspected the components described in this Orders and state that to the best of my knowledge neasures described in this Owner's Report in according to the second state that to the best of my knowledge neasures described in this Owner's Report in according to the second state of	and employed by HSB CT of Hartford, CT where s Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer
and the State or Province of Pennsylvania a have inspected the components described in this Or 0 - 24 - 0 and state that to the best of my knowledge neasures described in this Owner's Report in according to the second state that to the best of my knowledge neasures described in this Owner's Report in according to the second state of the second	wher's Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. this employer makes any warranty, expressed or implied, concerning the
and the State or Province of Pennsylvania and the State or Province of Pennsylvania and the inspected the components described in this Orders of my knowledge measures described in this Owner's Report in according by signing this certificate neither the inspector nor examinations and corrective measures described in shall be liable in any manner for any personal injury	and employed by HSB CT of Hartford, CT where s Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer
and the State or Province of Pennsylvania anave inspected the components described in this Or the Dest of my knowledge neasures described in this Owner's Report in according by signing this certificate neither the inspector nor examinations and corrective measures described in shall be liable in any manner for any personal injury	and employed by HSB CT of Hartford, CT where s Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer
and the State or Province of Pennsylvania a have inspected the components described in this Or O-24-Q and state that to the best of my knowledge neasures described in this Owner's Report in accordance. By signing this certificate neither the inspector nor examinations and corrective measures described in shall be liable in any manner for any personal injury this inspection.	where seport during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer by or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania and the State or Province of Pennsylvania and the State of the components described in this Or O-24-0 and state that to the best of my knowledge neasures described in this Owner's Report in accordance by signing this certificate neither the inspector nor examinations and corrective measures described in shall be liable in any manner for any personal injury	where s Report during the period 4-19-06 to ge and belief, the Owner has performed examinations and taken corrective dance with the requirements of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer by or property damage or a loss of any kind arising from or connected with
we inspected the components described in this Or -24-8 and state that to the best of my knowledge assures described in this Owner's Report in according to the state that to the best of my knowledge assures described in this Owner's Report in according to the state of the state	when the content of the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer y or property damage or a loss of any kind arising from or connected with the commissions of the ASME ANIB (AAA384). Commissions ABGHARANIB (AAA384). National Board, State, Province, and Endorsements

Form No	1993

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

.Owner	F.E.N.O.C		Dat	е	10-29	-2007	
76 South M	1ain Street – Akro	on, OH 44308	She	eet1_	of	3	<u> </u>
Plant	Beaver Valley P	ower Station (BV	<u>PS)</u> Uni	t No.	1		
	Shippingport, PA	A 15077		Work O		0200991 P.O. No., Job No	o., etc.
Work Perfor	rmed By <u>BVPS</u>	Maintenance	Тур	e Code Symbol S	Stamp		I/A
	Shippingport, P/	A 15077	Aut	horization No		N/A	
	(ADDRESS)		Exp	oiration Date		u	
. Identificatio	n of System _	Reactor Coolan	t (Class À)				
(c) Applicabl	le Edition of Section X le Section XI Code C on of Components		Replacement Activ	rity <u>1989</u>	÷		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Stamped (Yes or No
Relief Valve	Target Rock	6	N/A-	RV-1RC-551C	1973	Removed	Yes
Relief Valve	Target Rock	0569C-001-1-4	N/A	RV-1RC-551C	2007	Installed	Yes
	İ						
. Description	n of Work Rep	placed relief valve	for testing pur	rposes and inlet s	studs &	nuts.	

*Record test pressure and temperature

Zoz. Replaced 1-3/0 Studs	: 47120711 / Ht. #J963, P.O. 47082958 / Ht. #P919, P.O. 45189502 /
Ht. #R756, Nuts: P.O. 4712	0711 / Ht. #S663, P.O. 45172981 / Ht. #X375.
	CERTIFICATE OF COMPLIANCE
I certify that the statements made in code, Section XI.	n the report are correct and that this conforms to the requirements of the ASME
ype Code Symbol Stamp N/A	
Certificate of Authorization NoN	I/A Expiration Date N/A
Signed Owner's Desi	Senior Specialist Date November 15 , 20 <u>07</u>
•	CERTIFICATE OF INSERVICE INSPECTION
	ission issued by the National Board of Boiler and Pressure Vessel Inspectors
	Ivania and employed by <u>HSB CT</u> of have inspected the components described in this
	$\frac{4-19-09}{}$ to $\frac{10-24-07}{}$, and state that to the
•	mer has performed examinations and taken corrective measures described in this
	equirements of the ASME Code, Section XI.
Owner's Report in accordance with the re	equirements of the ASME Code, Section At.
By signing this certificate neither the insp	pector nor his employer makes any warranty, expressed or implied, concerning the
• • •	lescribed in this Owner's Report. Furthermore, neither the inspector nor his employer
	sonal injury or property damage or a loss of any kind arising from or connected with
this inspection.	or all mary or property damage or a loss of any kind driving from or conficence min
ино плоровноти	
lear_S_yxt	Commissions I, W, PA 23 FY National Board, State, Province, and Endorsements
Date	

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 3

1.	Manufactured and certifi	ed by <u>Ta</u>			oadhollow F I NV Certifica		gdale, NY 11735
2.	Manufactured forF	irst Energy;	Route 168; name and ad	Shipping dress of F	oort,PA Purchaser)		, , , , , , , , , , , , , , , , , , ,
3.	Location of installation_B	leaver Valley	Power Static	on; Route ne and add	168; Shippino Iress)	port, PA	·
4.	Valve 0569C-001-1 (Model no., series n	Orifice si	ze <u>2.443</u> (in.)	_Nom.In	let size <u>(</u>	Outlet (in.)	size <u>6</u> (in.)
5.	ASME Code, Section III,	Division 1:	1968 (edition)	Sum (adde	ner 1968 nda date)	(class)	None (Code Case no.)
	Type <u>Pilot Operated</u> (spring, pilot or power operated						• •
7.	Identification 4 (Cert. Holder's serial				Rev. D g no.) (N/A Natl'i. Bd. no.)	2007 (year built)
8.	Control ring settings			N/A			
9.	Pressure retaining items						Tensile Strength
	Body	339)		SA351 CF	8M	75 ksi 70 ksi
	Bonnet or Yoke Support Rods	11			SA105		70 ksi
	Nozzle					·	
	Disk	5			SA 564 6	30	140 ksi
	Spring Washers Adjusting Screws						
	Spindle						
	Spring Bolting	See name	2 of 3				
	Spring Bolting Other Items	See page	2 of 3				
.10	. Relieving capacity 345.0	00 lbs/hr ov	erpressure	as certifie	d by the Nat	tional Board _(
11	.Remarks:	_					(date)
			,				
	 	w					
		C	ERTIFICAT	ION OF D	ESIGN		
D	esign Specification certified					Reg. No. <u>03</u> 6	6614-E
D	esign Report certified by	Not ap	plicable	P.E. Stat	e <u>N/A</u> R	leg. No. <u>N/A</u>	
		CE	RTIFICATE	OF COMP	LIANCE		
C	e certify that the statements	de, Section II	I, Division 1.		•	•	rms to the rules for
N	Certificate of Authorization ate9/4/0)	No	N-1949		£	xpires <u>12/</u>	12/2007
	ate 9/4/07	Name	Target Rock			Signed Sw	Bonn
	- Andrew Alberta Complete Comp	(Certificate Ho	older)	Tohn	J DeBoi	us QA Manager
_	* Supplemental information				~~~	(40411011204	representative)

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form

^{. (12/88)} This form (E00037) may be obtained from the Order Dept./ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 REPRINT 6/93

FORM NV-1 (Pg. 2 of 3)

Certificate Holder's Serial No. 0569C-001-1 s/n 4

1.	Manufactured and certified by <u>Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735</u> (name and address of NV Certificate Holder)
2.	Manufactured for First Energy: Route 168; Shippingport, PA (name and address of Purchaser)
3.	Location of installation Beaver Valley Power Station; Rout 168; Shippingport, PA (name and address)

4.	Valve <u>0569C-001-1</u>	Orifice size	2.443	_ Nom. Inlet size_		Outlet size	6
	(Model no., series no.)		(in.)		(in.)		(in.)
٠.	· .						•

Pressure R	etaining Item	Serial No. or Identification	Material Spec. Including Type or Grade	Tensile Strength
Main Seat	200323-1	26	SA479 304L	70 ksi
Pilot Body	303839-2	7	SA479 304	75 ksi
Bonnet Cap	200324-1	11	SA105	70 ksi
End Cap	303835-1		SA479316	75 ksi
Hex Nut	100-0076	n/a	SA194 2H	n√a
Hex Bult	100501-1	n∕a	SA193 B7	1,25 ksi
Stud	206189-2	n/a	SA193 B7	125 ksi
Stud	206189-1	n∕a	SA193 B7	125 ksi
Stud	100482-2	n∕a	SA 193 B7	125 ksi
Stud	100482-1	n/a	SA193 B7	125 ksi

FORM NV-1 (Pg. 3 of 3)

Certificate Holder's Serial No. 0569C-001-1 s/n 4

(Nat'l. Bd.(incl. endorsements) and state or prov. and no.)

Manufactured and certified by ___Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735 (name and address of NV Certificate Holder) Manufactured for First Energy; Route 168; Shippingport, Pa (name and address of Purchaser) Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA (name and address) 4. Valve 0569C-001-1 Outlet size _ Orifice size Nom. Inlet size (Model no., series no.) **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of New York and employed by OneBeacon America Insurance Company of Boston, MA have inspected the pump, or valve, described in this Data Report on 1/1/200 , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or

Commissions

connected with this inspection.

(Authorized Inspector

Form No	2003

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

Owner	F.E.N.O.C		_ Date		10/26	/2007	
76 South M	ain Street - Akroi	n, OH 44308	_ Shee	et <u>1</u>	of	1	
Plant	Beaver Valley Po	wer Station (BV	<u>'PS)</u> Unit	No	<u>1</u>		
;	Shippingport, PA	15077		Work C		0213863 P.O. No., Job N	o., etc.
Work Perfor	med By BVPS	Maintenance (NAME)	Туре	Code Symbo	l [.] Stamp		<mark>I/A</mark>
	Shippingport, PA	15077	Auth	orization No		N/A	
	(ADDRESS)		Expi	ration Date	·	u	
Identification	of System	Main Steam (Q	2)			:	
(b) Applicable (c) Applicable	Construction Code _ Edition of Section XI Section XI Code Case of Components	Utilized for Repair/				<u> </u>	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	. Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Gate Valve	Crane Valve	N/A	N/A	1MS-26	1976	Corrected	No
	·						
Description	of Work <u>Repl</u>	aced body/bonn	et studs & nuts.				

*Record test pressure and temperature

9. Remarks No Code Data Report available. Replaced 7/8" Nuts: P.O. 45161672 / Ht. #217A; Studs: Applicable Manufacturer's Data Reports to be attached P.O. 47134616 / Ht. #Z660.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date November 2 , 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-0.6}{}$ to $\frac{10-24-07}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Deon S. Dynh Inspector's Signature Commissions I, N, PA 23 8 4 National Board, State, Province, and Endorsements
Date

Form No.	2005	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner	F.E.N.O.C.		_ Date		10/0	9/07	
76 South M	lain Street – Akro	n, OH 44308	_ She	et1	of	2	
. Plant	Beaver Valley Po	ower Station	Unit	No		l	
	Shippingport, PA (ADDRESS)	15077		Work O Repair/Replacement		00207913 P.O. No., Job No.	, etc.
. Work Perfor	rmed By <u>BVPS</u>	Maintenance , (NAME)	ТУре	e Code Symbol	Stamp	Not Appli	cable
	Shippingport, PA (ADDRESS)	15077		norization No iration Date _		N/A N/A	
. Identificatio	n of System	River Water (C	·	***************************************			
(b) Applicable (c) Applicable	Construction Code e Edition of Section X e Section XI Code Ca n of Components	I Utilized for Repair/ ise(s) <u>N/A</u>	,		ldend <u>a, N</u>	<u>/A</u> Code Case	
Name of Component	· Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Clow Corp	82-2669-02N	N/A	1RW-159	N/A	Removed	Yes
Check Valve	Crane Nuclear	D2080	N/A	1RW-159	2003	Installed	Yes
. Description	of Work Rep		ve.				
3. Tests Cond	ducted: Hydros Other		ımatic* ☐ No psi	minal Operatino Test Temp.			mpt 🗌

*Record test pressure and temperature

. Remarks Code Data Report attached.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI.
ype Code Symbol Stamp N/A
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ertificate of Authorization No. N/A Expiration Date N/A
igned Senior Specialist Date October 19 , 20 07
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this Owner's Report during the period $\frac{4-79-96}{2}$ to $\frac{70-22-97}{2}$, and state that to the
• •
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
Dy signing this contificate neither the inapporter per his employer makes any warranty everygood or implied, concerning the
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
lear of, high commissions I, N, PA2364
Inspector's Signature Commissions 2, 79, 717 20 6 1 National Board, State, Province, and Endorsements
Date, 20 07

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

1.	Manufactured and ce	rtified by	CRANE	Nuclear, Inc., 8	60 Remin	gton Boulevard, of NPT Certificate Ho	Bolingbrook, II	_ 60440	
2.	Manufactured for	First Energy Corporation	n, POB	ox 345 Shippin	gport, PA	15077 f purchaser)			
3.	Location of installatio	n Long Term Storage f	Facility, Si			ngport, PA 15077			
4.	Model No., Series No	or Type K1	5 CEP	Drawing		CB02791	Rev. B	CRN N/A	
5.	ASME Code, Section	III, Division 1:	1977 (edition)		ner 1979 enda date)	3 (class)	. -	N/A (Code Case no.)	
6:	Pump or valve	Duo-Chek Valve		Nominal inlet s	ize	3 C	outlet size	3 (in.)	
7.	Material:			to the second		•			•
	(a) valve Body (b) pump Casting	SA351 CF8M	Bonnet Cover	N/A	Disk Bolting .	SA351 CF8M	Bolting	SA479 TP 316	Α
	(a) Cert. Holder's Serial No.	(b) Nat'l Board No	· · · · · · · · · · · · · · · · · · ·	(c) Body/Casing Serial No.		(d) Bonnet/Cover Serial No		(e) Disk Serial No	
	D2080	N/A		D2081		N/A	D2	082 & D2083	<u> </u>
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^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back) --- Pg. 2 of 2

				•	
8	Design conditions			valve pressure cl	ass ANSI 150
	(bro	essure (tempera	iture)	•	
9.	Cold working pressure	275 psi at 100	0°F		•
10.	Hydrostatic test 42	psi. Disk different	tial test pressu	ге	305 psi
11.	Remarks: PO No. 7087502,	Item No. 1 SO No. 14531-01	٠.		• ·
	Mark No.: Valve ID: VC-15X- Hinge/Stop Pin Retainers Ht. No.				
, .	ringe/Stop Pili Retaillers Fit. No	J 7 (USH	and the second second		*
		CERTIFICATION OF DE	SIGN		
	•				
Desi	gn Specifications certified by	Francis Salmon	P.E. State	PA Reg. no	. 3385-E
Desi	gn Report certified by	N/A	P.E. State	N/A Reg. no	. <u>N/A</u>
· ·			• • •		
		CERTIFICATE OF COMPI	LANCE		
	•	CERTIFICATE OF COMPL	IANCE		
		this report are correct and that this	pump or valve	conforms to the	ules for construction
of the	e ASME Code, Section III, Division	n 1.			: I
			_		
N Ce	rtificate of Authorization No.	N-2899	Expires	September 24,	2005
	<i>i.</i>				// /.
Date	03/10/03 Name	CRANE Nuclear, Inc. (N Certificate Holder)	_ Signed _	(authorized re	presentative)
		•	[Jerome A. Kı	
			······		
	<u> </u>			·	
		CERTIFICATE OF INSPEC	CTION		
		•			
. I the	undersigned holding a valid com	mission issued by the National Road	rd of Boiler and	d Pressure Vesse	I Inspectors and the
		nmission issued by the National Boar	•		I Inspectors and the
	e or Province of Illin	nmission issued by the National Boar nois and employed by the inspected the pump, or valve, de	· 	HSBCT	
State of	e or Province of Illin	nois and employed by	scribed in this	HSBCT Data Report on	03/10/03
State of and s	e or Province of Illin	nois and employed by we inspected the pump, or valve, de edge and belief, the Certificate Holde	scribed in this	HSBCT Data Report on	03/10/03
State of and s	e or Province of Illin Hartford, CT ha state that to the best of my knowle	nois and employed by we inspected the pump, or valve, de edge and belief, the Certificate Holde	scribed in this	HSBCT Data Report on	03/10/03
State of and s with	Hartford, CT hastate that to the best of my knowletthe ASME Code, Section III, Divis	nois and employed by we inspected the pump, or valve, de edge and belief, the Certificate Holde	scribed in this er has construc	HSBCT Data Report on ted this pump, or	03/10/03 . valve, in accordance
State of and s with t	Hartford, CT ha state that to the best of my knowle the ASME Code, Section III, Divis	and employed by ave inspected the pump, or valve, de edge and belief, the Certificate Holds ion 1.	scribed in this er has construct	HSBCT Data Report on ted this pump, or pressed or implie	03/10/03 . valve, in accordance d, concerning the
State of and s with By si comp	e or Province of Illin Hartford, CT ha state that to the best of my knowle the ASME Code, Section III, Divis igning this certificate, neither the in ponent described in this Data Rep	and employed by twe inspected the pump, or valve, de edge and belief, the Certificate Holds ion 1.	scribed in this er has construc ny warranty, ex tor nor his em	HSBCT Data Report on ted this pump, or pressed or implie ployer shall be lia	03/10/03 . valve, in accordance d, concerning the
State of and s with By si comp	e or Province of Illin Hartford, CT ha state that to the best of my knowle the ASME Code, Section III, Divis igning this certificate, neither the in ponent described in this Data Rep	and employed by two inspected the pump, or valve, de edge and belief, the Certificate Holds ion 1. Inspector nor his employer makes an oort. Furthermore, neither the inspector	scribed in this er has construc ny warranty, ex tor nor his em	HSBCT Data Report on ted this pump, or pressed or implie ployer shall be lia	03/10/03 . valve, in accordance d, concerning the
State of and s with t By si comp	e or Province of Illin Hartford, CT ha state that to the best of my knowle the ASME Code, Section III, Divis igning this certificate, neither the in ponent described in this Data Rep	and employed by two inspected the pump, or valve, de edge and belief, the Certificate Holds ion 1. Inspector nor his employer makes an oort. Furthermore, neither the inspector	scribed in this or has construct ny warranty, ex stor nor his em connected with	HSBCT Data Report on ted this pump, or pressed or implie ployer shall be lia	03/10/03 . valve, in accordance d, concerning the

⁽¹⁾ For manually operated valves only.

Form No.	2013	
CORREINO.	2013	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	F.E.N.O.C.		_ Date	·	10/9/2	2007	
76 South M	Main Street - Akro	n; OH 44308	_ She	et1	of	1	· · · · · · · · · · · · · · · · · · ·
Plant	Beaver Valley Po	ower Station	Unit	No	1		·····
	Shippingport, PA	15077		Work O		00205525 P.O. No., Job No.	, etc.
Work Perfo	rmed By <u>BVPS</u>	Valve Team (NAME)	Тур	e Code Symbo	l Stamp	Not Appli	cable_
	Shippingport, PA	15077	Auth	norization No		N/A	•
			Ехр	iration Date _		N/A	-
Identification	on of System	Main Steam (Q	2) .				
	le Section XI Code Ca	, ,	National Board	Other	Year	Corrected, Removed, or	ASME Code Stamped
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	(Yes or No)
Valve	Enertech	11496	N/A	. 1MS-80	2006	Corrected	Yes
	·						
		·					
Description	n of Work <u>Rep</u>	laced valve inlet	outlet flange st	uds and nuts.			
					•		

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI. The code Symbol Stamp N/A Sertificate of Authorization No. N/A Expiration Date N/A Sertificate of Authorization No. N/A Expiration Date N/A Sertificate of Authorization No. N/A Expiration Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT nave inspected the components described in this Owner's Report during the period 4-19-06 to	P.O. 45204172 / Ht. #4	45C		·
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI. I certificate of Symbol Stamp N/A Sertificate of Authorization No. N/A Expiration Date N/A Sertificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 15 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT are view inspected the components described in this Owner's Report during the period 4-19-0 to 0-24-0 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. 4. 3. 8. Y.	1.0. 432041727111. #4	400.		
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI. Sertificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Expiration Date N/A Serior Specialist Date November 15 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-/9-06 to 0-24-3/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. 4. 2.3 *Y.				
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Certificate of Authorization No. N/A Expiration Date N/A Signed Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-79-06 to 0-24-4-2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions I, M, P423 YY		CERTIFICATE OF CO	OMPLIANCE	
Certificate of Authorization No. N/A Expiration Date N/A Signed Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-79-06 to 0-24-4-2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions I, M, P423 YY	. '` 	ř		•
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Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT nave inspected the components described in this Owner's Report during the period 4-19-06 to 0-24-3/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. 4.3. T.Y. Commissions T. M. P. 4.3. T.Y.	Type Code Symbol Stamp N/A			
Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT nave inspected the components described in this Owner's Report during the period 4-19-06 to 0-24-3/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. 4.3. T.Y. Commissions T. M. P. 4.3. T.Y.				
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CERTIFICATE OF INSERVICE INSPECTION 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT are inspected the components described in this Owner's Report during the period 4-/9-96 to 0-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, M, P, A, J, F, M, P, A, L, F, M, P, A, M, P, M				
CERTIFICATE OF INSERVICE INSPECTION 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT are inspected the components described in this Owner's Report during the period 4-/9-96 to 0-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, M, P, A, J, F, M, P, A, L, F, M, P, A, M, P, M	Signed All	:	Senior Specialist - D	Pate November 15 . 20 . 07
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT average inspected the components described in this Owner's Report during the period 4-/9-06 to 0-24-3/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions I, M, P, 4, 2,3,8,4	Owner or Owner	s Designee, Title	oomor opoolano.	dio <u>15070111901 10</u> , 20 <u>01</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT average inspected the components described in this Owner's Report during the period 4-/9-06 to 0-24-3/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions I, M, P, 4, 2,3,8,4	-	· · · · · ·		
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and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-06 to 10-24-3 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. 4.23.84	-	CERTIFICATE OF INSERV	ICE INSPECTION	:
have inspected the components described in this Owner's Report during the period				: .
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By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. J. P. 4 23 8 Y. Commissions	and the State or Province of Penns	ommission issued by the National sylvania and employed by	Board of Boiler and P	of <u>Hartford, CT</u>
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. P. + 23 8 Y.	and the State or Province of Penns have inspected the components desc	ommission issued by the National sylvania and employed by _ ribed in this Owner's Report durir	Board of Boiler and Portion HSB CT ng the period	of Hartford, CT 4-19-06 to
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. J. P4238Y	and the State or Province of Penns have inspected the components desc 0 -2 1-3 2 and state that to the best of	ommission issued by the National sylvania and employed by _ ribed in this Owner's Report durin	Board of Boiler and Pound Book Book Book Book Book Book Book Boo	of Hartford, CT 4-/9-06 to xaminations and taken corrective
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. J. P4238Y	and the State or Province of Penns have inspected the components desc	ommission issued by the National sylvania and employed by _ ribed in this Owner's Report durin	Board of Boiler and Pound Book Book Book Book Book Book Book Boo	of Hartford, CT 4-/9-06 to xaminations and taken corrective
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Lea J. P+2384 Commissions I, V, P+2384	and the State or Province of Penns have inspected the components desc	ommission issued by the National sylvania and employed by _ ribed in this Owner's Report durin	Board of Boiler and Pound Book Book Book Book Book Book Book Boo	of Hartford, CT 4-/9-06 to xaminations and taken corrective
Lear S. hypich Commissions I, N, P+2384	and the State or Province of Penns have inspected the components described that to the best of neasures described in this Owner's F	ommission issued by the National sylvania and employed by ribed in this Owner's Report during the CReport in accordance with the requirements of my knowledge and belief, the CREPORT in accordance with the requirements.	Board of Boiler and Pound Book Book Book Book Book Book Book Boo	Hartford, CT 4-/9-06 to xaminations and taken corrective Code, Section XI.
Dear S. hypich Commissions I, N, P+2384	and the State or Province of Penns have inspected the components described. And state that to the best of measures described in this Owner's F. By signing this certificate neither the examinations and corrective measures.	ommission issued by the National sylvania and employed by ribed in this Owner's Report during fragility and belief, the Okaport in accordance with the requiremental sylvania and belief, the Cartesian accordance with the requiremental sylvanian accordance with the sylvanian accordan	Board of Boiler and Pound Book HSB CT Ing the period Iwner has performed expirements of the ASME s any warranty, expressort. Furthermore, neither	Hartford, CT 4-19-06 to xaminations and taken corrective Code, Section XI. seed or implied, concerning the her the inspector nor his employer
	and the State or Province of Penns have inspected the components described in this Owner's Formula Signing this certificate neither the examinations and corrective measures half be liable in any manner for any	ommission issued by the National sylvania and employed by ribed in this Owner's Report during fragility and belief, the Okaport in accordance with the requiremental sylvania and belief, the Cartesian accordance with the requiremental sylvanian accordance with the sylvanian accordan	Board of Boiler and Pound Book HSB CT Ing the period Iwner has performed expirements of the ASME s any warranty, expressort. Furthermore, neither	Hartford, CT 4-19-06 to xaminations and taken corrective Code, Section XI. seed or implied, concerning the her the inspector nor his employer
	and the State or Province of Penns have inspected the components described in this Owner's Formula State that to the best of measures described in this Owner's Formula State that to the best of the best of the state of the best of the	ommission issued by the National sylvania and employed by ribed in this Owner's Report during fragility and belief, the Okaport in accordance with the requiremental sylvania and belief, the Cartesian accordance with the requiremental sylvanian accordance with the sylvanian accordan	Board of Boiler and Pound Book HSB CT Ing the period Iwner has performed expirements of the ASME s any warranty, expressort. Furthermore, neither	Hartford, CT 4-19-06 to xaminations and taken corrective Code, Section XI. seed or implied, concerning the her the inspector nor his employer
	and the State or Province of Penns have inspected the components described in this Owner's Formula State that to the best of measures described in this Owner's Formula State that to the best of the best of the state of the best of the	ommission issued by the National sylvania and employed by ribed in this Owner's Report during fragility and belief, the Okaport in accordance with the requiremental sylvania and belief, the Cartesian accordance with the requiremental sylvanian accordance with the sylvanian accordan	Board of Boiler and Pound Book HSB CT Ing the period Iwner has performed expirements of the ASME s any warranty, expressort. Furthermore, neither	Hartford, CT 4-19-06 to xaminations and taken corrective Code, Section XI. seed or implied, concerning the her the inspector nor his employer
Total and a state of the state	and the State or Province of Penns have inspected the components described in this Owner's Formula Signing this certificate neither the examinations and corrective measures half be liable in any manner for any	ommission issued by the National sylvania and employed by ribed in this Owner's Report during the formy knowledge and belief, the Okaeport in accordance with the requirement in accordance with the requirement in this Owner's Report personal injury or property damage.	Board of Boiler and Pounds of the period experience of the ASME is any warranty, expresort. Furthermore, neiting or a loss of any king	Hartford, CT 4-19-06 to xaminations and taken corrective Code, Section XI. seed or implied, concerning the her the inspector nor his employer
	and the State or Province of Penns have inspected the components described in this Owner's Formula By signing this certificate neither the examinations and corrective measure shall be liable in any manner for any	ommission issued by the National sylvania and employed by ribed in this Owner's Report during of my knowledge and belief, the Okaeport in accordance with the requirement in accordance with the requirement in this Owner's Report personal injury or property damage.	Board of Boiler and Pour HSB CT Ing the period Elements of the ASME is any warranty, expresort. Furthermore, neiting or a loss of any kindings or a loss of any kindings.	Hartford, CT

Form No.	2015
i omi ivo.	2013

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner F.E.N.O.C			_ Date	e	11/14	/2007		
76 South Main Street – Akron, OH 44308 (ADDRESS)			_ She	et1	of	f	j	
Plant	{	Beaver Valley F	ower Station (B\	<u>/PS)</u> Unit	No		1	
··· - ···		Shippingport, Pa	A 15077		Work O		00135694	o etc
Work	Perforr	med By <u>BVPS</u>	Maintenance	Тур	e Code Symbol	Ü		√A
	Ç	Shippingport, Pa	, ,	Auth	norization No		N/A	
		(ADDRESS)			iration Date _			
Identi	ification	of System	Reactor Coolar	nt (Class A)				-
(b) A ₁	pplicable pplicable					a,	N/A Code (Case
Name o		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Pum	р	Westinghouse	3-618J931G01	N/A	IRC-P-IC	1976	Corrected	Yes
<i>*</i>	,•							
•				-				
		•						
		·	·					
Desci	ription o	of Work Rep	laced two #1 sea	al housing bolts.				

. Remarks <u>No Code Data F</u>	Report available. Previous Notes Pre	NIS-2 Data Report Nos Reports to be attached	: 1398 and 914.
Replaced bolts : P.O. 109	9467 / Ht. #95127, serial nui		3
	,		:
			······································
		•	
	CERTIFICATE OF COI	MPLIANCE	
			•
I certify that the statements made	le in the report are correct and	that this conforms to the	requirements of the ASMÉ
Code, Section XI.			
ype Code Symbol Stamp <u>N/A</u>			
Certificate of Authorization No.	N/A Expiration D	ate N/A	
	Expiration D	ate	·
XUI. No			
Signed Skulto Owner or Owner's	Senior Sp Designee Title	<u>pecialist</u> Date <u>Nov</u>	ember 26 , 20 <u>07</u>
	CERTIFICATE OF INSERVIC	E INSPECTION	- · · · · · · · · · · · · · · · · · · ·
I the undersigned holding a valid eq	mmission issued by the National D	aard of Roilor and Brancura	Vocasi increators
I, the undersigned, holding a valid column and the State or Province of Pen			vessei inspectors
	have inspected the c		•
Owner's Report during the period		/ 0 ~ 2 4 - 0 7	
best of my knowledge and belief, the			
Owner's Report in accordance with the			sules described in this
Owner's Report in accordance with th	e requirements of the ASME Code	e, Section Al.	
By signing this certificate neither the i	nspector por his employer makes	any warranty lexoressed or i	molied concerning the
examinations and corrective measure			
shall be liable in any manner for any			
	personal injury or property damage	or a loss of arry kind arising	nom or connected with
this inspection.			·
	/	•	•
alegn I. her	wh Commis	sions I, N, P	A 23 PY
Inspector's Signature	re Commis		ovince, and Endorsements
	•		
Date	, 20 <u>07</u>		

Form No	2016

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	F.E.N.O.C	,	Date		11/20/	/2007	
76 South N	Main Street – Akro	on, OH 44308	Shee	t1	of	1	·
Plant	Beaver Valley P	ower Station (BV	<u>PS)</u> Unit l	No	1		
	Shippingport, PA (ADDRESS)	\ 15077		Work C		00124376 P.O. No., Job No.	o., etc.
Work Perfo	ormed By <u>BVPS</u>	Maintenance (NAME)	Туре	Code Symbo	l Stamp		I/A
	Shippingport, PA	<u> 15077</u>	Auth	orization No.		N/A	
	(ADDRESS)		Expi	ation Date _		и .	
. Identificatio	on of System	Main Steam (Q2	2)				
(b) Applicab	e Construction Code le Edition of Section > le Section XI Code Co on of Components	(I Utilized for Re <u>p</u> air/F ase(s): <u>N/A</u>			da,	<u>N/A</u> Code (Case
				· · · · · · · · · · · · · · · · · · ·	1	Corrected,	ASME
Name of Component	Name of M anufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Removed, or Installed	Code Stamped (Yes or No)
overnor Valve	Dresser-Rand (Terry Steam Turbine)	T38492 (Turbine)	N/A	1MS-464	1976	Corrected	No
Plug	Dresser-Rand	N/A	N/A	N/A	2006	Installed	No
				253, 25, 45			
				-	1		

. Description	n of Work <u>Rep</u> l	aced valve stem/	plug assembly.				
. Tests Con	ducted: Hydros	tatic*	matic* Nor	•	-	ıre	empt 🛭

. Remarks No Code Data Report available. Previous NIS-2 Data Report Nos: 1745 and 974. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI.
pe Code Symbol Stamp N/A
ertificate of Authorization No. N/A Expiration Date N/A
gned Senior Specialist Date November 20 , 20 07
OFFICIATE OF INSERVICE MODERNO
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{19-24-07}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Jean J. harin Commissions I, N PA 2384 Inspector's Signature Commissions II, N PA 2384 National Board, State, Province, and Endorsements
Date

Form: No	2017

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	F.E.N.O.C		_ Dat	e	10/29/	2007	
	76 South M	ain Street – Akror	n, OH 44308	_ She	eet <u>1</u>	of	1	
2.	Plant	Beaver Valley Po	wer Station (BV	<u>/PS)</u> Uni	t No.	1		
	Shippingport, PA 15077 (ADDRESS)				Work Orde			
3.	Work Perfor	med By <u>BVPS I</u>	Тур	Type Code Symbol Stamp N/A				
		Shippingport, PA	15077	Aut	thorization No		N/A	
		(ADDRESS)		Ext	piration Date		"	
	•		Feedwater (Q2					,
5.	. ,	Construction Code _				3,	<u>N/A</u> Code C	ase
	. ,	Edition of Section XI	•	Replacement Activ	vity <u>1989</u>			
	(c) Applicable	e Section XI Code Cas	se(s): <u>N/A</u>					
6.	Identification	n of Components			•			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
	Turbine	Ingersoll-Rand	T-36555	N/A	1FW-T-2	1972	Corrected	No
(Gland Case	Dresser Rand	N/A	N/A	N/A	2007	Installed	No
			<u>, </u>					
					,			
7.	Description	of Work Repl	aced gland cas	e assembly.			1	
8.	Tests Cond	lucted: Hydrosi Other [ominal Operating i Test Temp.			empt 🗌

*Record test pressure and temperature

	Code Data Report available. Previous NIS-2 Data Report Nos: 961, and 296. Original Applicable Manufacturer's Data Reports to be attached was Non-Code, piping is ANSI B31.1.
manaraotare v	vas Non-Code, piping is ANSI 631.1.
	CERTIFICATE OF COMPLIANCE
I certify that the stated	tements made in the report are correct and that this conforms to the requirements of the ASME
ype Code Symbol Sta	amp <u>N/A</u>
ertificate of Authoriza	ation No. N/A Expiration Date N/A
igned SU	Senior Specialist Date November 15 , 20 07
igned	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors are of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of
*	ford, CT have inspected the components described in this
	the period $4-19-06$ to $10-24-07$, and state that to the
best of my knowledge a	and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in acco	ordance with the requirements of the ASME Code, Section XI.
By signing this certificat	ate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corre	ective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any mathis inspection.	anner for any personal injury or property damage or a loss of any kind arising from or connected with
uno mopeodom.	
0	
Nean_	1 Inspector's signature Commissions I, N, P+23 8 Y National Board, State, Province, and Endorsements
	realional board, State, Province, and Endorsements
Date //-/	9, 20 0 7

Form I	NΙΛ	2018
гони	NU.	2010

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner F.E.N.O.C			. Date	e	11/08	2007			
76 South M	ain Street - Akro	n, OH 44308	. She	Sheet1of1					
Plant	Beaver Valley Po	ower Station (BV	PS) Unit	Unit No1					
	Shippingport, PA	15077				0135497			
(ADDRESS)			·	Repair/Replacement Organization P.O. No., Job No., etc.					
Work Perfor	med By <u>BVPS</u>	Maintenance (NAME)	Тур	e Code Symbol S	Stamp	1	I/A		
	Shippingport, PA	15077	Auti	norization No		N/A			
	(ADDRESS)			iration Date.		и			
1.1 456		M : 04 : (0)	•						
Identification	n of System	Main Steam (Q2	<u>(2)</u>		·····	*-			
(a) Applicable	Construction Code _	ANSI B16.	5 <u>1968</u> Editi	on, <u>N/A</u> Addenda,		N/A Code C	Case		
		Utilized for Repair/F	Replacement Activ	ity <u>1989</u>		,			
(c) Applicable	e Section XI Code Ca	se(s): <u>N/A</u>							
Identification	n of Components								
<u>.</u>						Corrected, Removed,	ASME Code		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	or Installed	Stamped (Yes or No		
Check Valve	Schutte & Koerting	N6905 <u>6</u> 3	N/A	TV-1MS-101C	1976	Corrected	No		
Disc	Flowserve	N/A · ·	N/A	Ht#M0419	2004	Installed	No		
			·						
Description	of Work Repl	aced disc.							
•									

*Record test pressure and temperature

. Remarks _	No Code Data Report available. Previous NIS-2 Data Report No: 1609. Applicable Manufacture's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
I certify that t	he statements made in the report are correct and that this conforms to the requirements of the ASME
ode, Section X	
na Cada Sum	abol Stomp N/A
pe code sym	bol Stamp N/A
ertificate of Au	thorization No N/A Expiration Date N/A
X	
gned	Owner or Owner's Designee, Title Senior Specialist Date November 13 , 20 07
	CERTIFICATE OF INSERVICE INSPECTION
, the undersigne	ed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	Province of Pennsylvania and employed by HSB CT of
:	Hartford, CT have inspected the components described in this
Owner's Report	during the period $4-19-06$ to $10-29-09$, and state that to the
est of my know	ledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report	in accordance with the requirements of the ASME Code, Section XI.
	certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	nd corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
	any manner for any personal injury or property damage or a loss of any kind arising from or connected with
his inspection.	
0	
Me	20 S. hazul Commissions I, N, P+2384
	Inspectors Signature National Board, State, Province, and Endorsements
Date	1/-19-, 20 07

Form No.	2019	
FUIIII INO.	2013	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner	F.E.N.O.C.			Date	10	0/10/07		
76 South Ma	in Street – Akron, (ADDRESS)	OH 44308		Sheet	1	of1	1	
2. Plant Beaver Valley Power Station (NAME)				Unit No.		1	·	
Shippingport, PA 15077 (ADDRESS)						#200138765 ration P.O. No., Job N	o., etc.	
3. Work Performed By FENCO Maintenance (NAME)				Type Code Symbol Stamp Not Applicable				
S	hippingport, PA 15	5077		Authorization N	lo	N/A		
	(ADDRESS)			Expiration Date				
4. Identification	,			nent and Neutron T	ank Coolii		23)	
				1967 Edition, S'71 Add	benda, <u>IV/A</u> (Loue Case		
. ,			air/Replace	ement Activity 1989			*	
(c) Applicable	Section XI Code Case(s) <u>N/A</u>						
6. Identification	of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)	
Expansion Joint	Garlock, Inc.	5-3973	N/A	REJ-1CC-16B	1995	Removed	No	
Expansion Joint	Garlock, Inc.	06-1968	N/A	REJ-1CC-16B	2006	Installed	No	
							-	
7. Description of	of Work <u>Rep</u> lac	ed 18" Exp	ansion J	oint , Studs and Nut	S			
							· 	
						<u> </u>		
8. Tests Condu	Other 🗌	ic* Pressul	re	* ☐ Nominal Ope psi Test T	rating Pre		kempt 🗍	

Studs: P.O. 47037233 / Ht. #M5	Applicable Manufacturer's Data Reports to be attached 84, P.O. 7123870 / Ht. #J218; Nuts: P.O. D149199-299 / Ht.
#73265 32-1 RCC, P.O. 451029	947 Ht. #TRS
	ERTIFICATE OF COMPLIANCE
I certify that the statements made in the ode, Section XI.	e report are correct and that this conforms to the requirements of the ASME
ype Code Symbol Stamp N/A	
ertificate of Authorization No. N/A	Expiration DateN/A
igned Kul	Senior Specialist Date October 12 , 20 07
Owner or Owner's Designee,	Title
	TIFICATE OF INSERVICE INSPECTION
CER	
CER I, the undersigned, holding a valid commission	TIFICATE OF INSERVICE INSPECTION
CER I, the undersigned, holding a valid commission and the State or Province of Pennsylvania	TIFICATE OF INSERVICE INSPECTION In issued by the National Board of Boiler and Pressure Vessel Inspectors and employed byHSBCT of have inspected the components described in this
CER I, the undersigned, holding a valid commission and the State or Province of Pennsylvania	TIFICATE OF INSERVICE INSPECTION In issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period	TIFICATE OF INSERVICE INSPECTION In issued by the National Board of Boiler and Pressure Vessel Inspectors and employed byHSBCT of have inspected the components described in this
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner h	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI.
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures descri	TIFICATE OF INSERVICE INSPECTION In issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures descri	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the inspector nor his employer
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the inspector nor his employer
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the inspector nor his employer
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the inspector nor his employer linjury or property damage or a loss of any kind arising from or connected with
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the inspector nor his employer
I, the undersigned, holding a valid commission and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner howner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describall be liable in any manner for any personal	n issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT of have inspected the components described in this 4-19-06 to 10-12-07, and state that to the has performed examinations and taken corrective measures described in this rements of the ASME Code, Section XI. In nor his employer makes any warranty, expressed or implied, concerning the sibed in this Owner's Report. Furthermore, neither the inspector nor his employer of injury or property damage or a loss of any kind arising from or connected with

Form No.	2024

	**************************************				SME Code Secti			
1.	Owner	F.E.N.O.C		_ Da	te	11/06/	/2007	
	76 South Main Street – Akron, OH 44308 (ADDRESS)			_ She	eet <u>1</u>	of	4	
2.	Plant	Beaver Valley P	ower Station (BV	<u>/PS)</u> Un	it No	1		
		Shippingport, PA	A 15077	 .	Work Or Repair/Replacement O		00200990 P.O. No., Job N	o., etc.
3.	Work Perfor	med By <u>BVPS</u>	Maintenance (NAME)	Туј	pe Code Symbol	Stamp		I/A
			<u>A 15077</u>	Au	thorization No		N/A	
		(ADDRESS)		· Ex	piration Date		u	
4.	Identification	n of System _	Reactor Coolar	nt (Class A)				
	(b) Applicable(c) Applicable		KI Utilized for Repair/ ase(s): <u>N/A</u>		dition, <u>S'68</u> Addenda vity <u>1989</u>	,		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
·R	telief Valve	Target Rock	5	N/A	RV-1RC-551A	1973	Removed	Yes
R	Celief Valve	Target Rock	0569C-001-1-1	N/A .	RV-1RC-551A	2005	Installed	Yes
]	Main Stem	Target Rock	4	· · N/A	N/A	2006	Installed	Yes
	•			,.			_	
7.	Description				ng purposes. Als		ced inlet st	uds/nuts
8.	Tests Cond	lucted: Hydros Other		umatic* ☐ N ps	ominal Operating i Test Temp.			empt 🗌

*Record test pressure and temperature

9. Remarks <u>Code Data Reports attached. Previous NIS-2 Data Report Nos: 1740, 1255, and 892. Valve S/N 1</u> Applicable Manufacturer's Data Reports to be attached was rebuilt by Target Rock under P.O. 55104545 prior to installation and new stem S/N 4 was installed.
Replaced 1-3/8" inlet Nuts: P.O. 47120711 / Ht. # S663, P.O. 45172981 / Ht. #X375; Studs: P.O. 45189502 /
Ht. #R756, P.O. 47120711 / Ht. #J963, P.O. 47082958 / Ht. #P919.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date November 7, 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-96}{}$ to $\frac{10-24-07}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Dear J. Lynch Commissions I. N. P. A. 2.3.8.4 Inspector's Symature Commissions National Board, State, Province, and Endorsements
Date

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 3

1.	Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735 (name and address of NV Certificate Holder)
2.	Manufactured for First Energy; Route 168; Shipping port,PA (name and address of Purchaser)
3.	Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA (name and address)
4.	Valve0569C-001-1 (Model no., series no.)Orifice size2.443 (in.)Nom. Inlet size6 (in.)Outlet size6 (in.)
	ASME Code, Section III, Division 1: 1968 Summer 1968 A None (edition) (addenda date) (class) (Code Case no.)
6.	Type Pilot Operated 2485 120 650°F 3325 at 1.00°F max. (spring, pilot or power operated) (set pressure, psig) (blowdown, psi) (rated temp) (hydro test,psig,inlet)
7.	Identification 1 N/A 0569C-001 Rev. B N/A 2005 (Cert. Holder's serial no.) (CRN) (drawing no.) (Natl'I. Bd. no.) (year built)
8.	Control ring settings N/A
9.	Pressure retaining items: Serial No. Or Mat'l. Spec. Tensile Identification Including Type or Grade Strength
	Body <u>1 SA351 CF8M 75 ksi</u>
	Bonnet or Yoke 8 SA105 70 ksi Support Rods
٠.	Nozzle
	Disk 3 SA 564 630 140 ksi Spring Washers
,	Adjusting Screws
	Spindle Spring
	Bolting See page 2 of 3 Other Items See page 2 of 3
10	. Relieving capacity 345,000 lbs/hr overpressure as certified by the National Board (69C) 10/07/2005
11	. Remarks: (date)
:	
	CERTIFICATION OF DESIGN
[Design Specification certified by <u>F.W. Gardner</u> P.E. State <u>PA</u> Reg. No. <u>036614-E</u>
1	
	Design Report certified by <u>Not applicable</u> P.E. State <u>N/A</u> Reg. No. <u>N/A</u>
	CERTIFICATE OF COMPLIANCE
V	We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
1	N Certificate of Authorization No. N-1949 Expires 12/12/2007
ָן	Date 12/16/2005 Name Target Rock Signed Jux Y
	(Certificate Holder) R. E. Glazier, QA Manager (authorized representative)
<u></u>	* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2)

information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form

FORM NV-1 (Pg. 2 of 3)

Certificate Holder's Serial No. 0569C-001-1; s/n 1

1.	Manufactured and certified byTarget Rock; 1966E Broadhollow Rd., E. Farmingdale, NY 11735
,	(name and address of NV Certificate Holder)
2.	Manufactured for First Energy, Route 168; Shippingport, PA
<i>.</i>	(name and address of Purchaser)
3.	Location of installation Beaver Valley Power Station; Rout 168; Shippingport, PA
	(name and address)
4.	Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6 (in.)

Pressure Retain	ing Item	Serial No. or Identification	Material Spec. Including Type or Grade	Tensile Strength
Main Seat	200323-1	25	SA479 304L	70 ksi
Pilot Body	303839-2	2	SA479 304	75 ksi
Bonnet Cap	200324-1	8	SA105	70 ksi
End Cap	303835-1	5	SA479 316	75 ksi
Hex Nut	100-0076	n/a	SA194 2H	n/a
Hex Bult	100501-1	n/a	SA193 B7	125 ksi
Stud	206189-2	n/a	SA193 B7	125 ksi
Stud	206189-1	n/a	SA193 B7	125 ksi
Stud	100482-2	n/a	SA193 B7	125 ksi
Stud	100482-1	n/a	SA193 B7	125 ksi

FORM NV-1 (Pg. 3 of 3)

1. Manufactured and certified by Target Rock, 1966E Broadhollow Rd.; E. Farmingdale, NY 11735 (name and address of NV Certificate Holder)

2. Manufactured for First Energy; Route 168; Shippingport, Pa (name and address of Purchaser)

3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA (name and address)

4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6 (in.)

CERTIFICATE OF INSPECTION

1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of New York and employed by OneBeacon America Insurance Company of Boston, MA have inspected the pump, or valve, described in this Data Report on 12/16/2005, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or

Date Signed Commissions N.4. 5102

(Authorized Inspector)

(Nat'l. Bd (incl. endorsements) and state or prov. and no.)

Certificate Holder's Serial No. 0569C-001-1

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES' As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2

Manufactured and cert	ified by <u>Target Rock; 196</u> (name	6E Broadhollow Rd.; E. Fa	armingdale, N' ficate Holder)	Y 11735				
2. Manufactured for	. Manufactured for FirstEnergy Corporation; Route 168; Shippingport, PA (name and address of Purchaser)							
3. Location of installation	B. Location of installation Bever Valley Power Station; route 168; Shippingport, PA (name and address)							
4. Type <u>303833-1</u> (drawing no.)	SA564 630 (mat'l. spec. no.)	140 ksi (tensile strength)	N/A (CRN)	2006 (year built)				
5. ASME Code, Section	III, Division 1: 1968 (edition	Summer 1968 (addenda date)	A (class) (C	None ode Case no.)				
6. Fabricated in accorda7. Remarks: Main S Spare r	•	(no.)	ision <u>N/A</u>	Date <u>N/A</u>				
	N/A Min. design thickness tificate Holders' Data Repo			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Part or Appurtenance Serial Number (1) 4 (2) ~~~ (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) 10. Design pressure N/	National Board No. In Numerical Order N/A A psi. Temp. N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)	In Num	lational pard No. nerical Order.				

^{*} Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (BACK - Pg. 2 of 2)

Certificate Holder's Serial Nos.

303833-1 s/n 4

CERTIFICATION OF DESIGN Design specifications certified by F. W. Gardner P.E. State PA Reg. No. 03664-E (when applicable) not applicable Design report* certified by P.E. State _~~ Reg. No. (when applicable) **CERTIFICATE OF COMPLIANCE** We certify that the statements made in this report are correct and that this (these) Part conforms to the rules for construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. N-1948 **Expires** 12/12/2007 (NPT Certificate Holder) R. E/Glazier, QA Manager (authorized representative) **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of ____ New York and employed by OneBeacon America Insurance Co. of Boston MA have inspected the pump, or valve, described in this Data Report on Aucust 27 2006 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. **Commissions** (Authorized Inepector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

F	NI.	2025	•
Form	NO.	2025	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner	F.E.N.O.C.		_ Date		10/17/	/2007	
76 South Main Street – Akron, OH 44308 (ADDRESS)				et <u>1</u>	of	1	
2. Plant	Beaver Valley Po	ower Station	Unit	No	1	<u> </u>	
:	Shippingport, PA	15077		Work O Repair/Replacement		00239865 P.O. No., Job No.	, etc.
3. Work Perfor	rmed By <u>BVPS</u>	Maintenance (NAME)	Туре	e Code Symbol	Stamp	Not Appli	cable
· .	Shippingport, PA (ADDRESS)	15077		orization No ration Date _			
(a) Applicable(b) Applicable(c) Applicable	n of System	ANSI B31. I Utilized for Repair/	.1 1967 Edi		, <u>N/A</u>	_ Code Case	
	11 of Components		1 ;			-	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Enertech	11075	N/A	1MS-19	2001	Corrected	Yes
				·			
7. Description	of Work <u>Rep</u>	laced flange stu	ds and nuts.				
8. Tests Conc	Other		umatic* No psi	minal Operating Test Temp.	=		mpt 🔀

9. Remarks <u>Previous NIS-2 Report Nos: 1709, 952, 824, 759, 497, 263, and 143. Replaced % Studs:</u> Applicable Manufacturer's Data Reports to be attached P.O. 45187878 / Ht. #153C; Nuts: P.O. 45204172 / Ht. #443C, P.O. 45178058 / Ht. #X510, P.O.
45190667 / Ht. #Z403. Valve is supplied as ASME Section III 1971E-S'72A and installed in an
ANSI B31.1 system.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date November 14, 20 07
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT
have inspected the components described in this Owner's Report during the period 4-19-36 to
/o-24.0,2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Dean J. Lynch Commissions I, N, PA 23 8 4 Inspections Signature Commissions T, N, PA 23 8 4 National Board, State, Province, and Endorsements
Date

Carra Ma	2020
Form No.	2026

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

*	As Nequit	ed by the Provi	sions of the A	SME Code Sect	IOII AI	7. 1307	· · · · · · · · · · · · · · · · · · ·
1. Owner First	Energy Nuclear	Operating Com	pany Dat	e <u> </u>	ctober	24, 2007	
76 S. M	lain St. Akron, O	H 44308	_ She	eet1	of		2
2. Plant	Beaver Valley Po	ower Station	Uni	t No.	Un	<u>it 1</u>	
	Route 168, Ship	oingport, PA 150	077 <u>E</u>	CP 06-0236, WO# 2 Repair/Replacement			
3. Work Perfor	med By Westing	house Electric C	Comp. Typ	e Code Symbol	Stamp		1/A
4350 Northe	rn Pike, Monroe	ville, PA 15146	Aut	horization No		N/A	· ·
	(ADDRESS)		Exp	oiration Date		N/A	
4. Identification	of System	Reactor Coolar	nt System (Clas	ss 1)	•		·
5. (a) Applicable Applicable	Construction Code (\ Construction Code (I	/essel) <u>Section III</u> Piping) <u>ANSI B31.</u>	1965 Ed 1 1967 Ed	ition, <u>W 66</u> Addend ition, <u>S 71</u> Addend	a, <u>1401</u> a,	Code Case Code Case	
(c) Applicable		se(s): N-504-2, N-6		rity <u>1989 Edition, No</u> by Relief Request BV			not needed)
				<u> </u>		Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Removed, or Installed	Code Stamped (Yes or No)
Pressurizer Vessel	Westinghouse	1311	68-50	1RC-TK-1	1971	Corrected	Yes
Pressurizer Piping:	N/A	N/A	N/A		1976	Corrected	No
Spray Safety A			,	4" RC-72-1502-Q1 6" RC-97-1502-Q1			
Safety B Safety C POR V		* * * * * * * * * * * * * * * * * * *	\$: :	6" RC-98-1502-Q1 6" RC-99-1502-Q1 6" RC-104-1502-Q1			n Till E Nobel V
Weld	N/A	N/A	N/A		2007	Installed	No
Overlays: Spray Safety A Safety B Safety C PORV				RC-72-E-OL-01 RC-97-1-OL-01 RC-98-1-OL-01 RC-99-1-OL-01 RC-104-1-OL-01			
safety, and religaddition, linear	ef nozzles, exter indication near " arated R/R plan	Iding from the c A" safety nozzle attached) latic* Pneu	arbon steel noze identified by rumatic* No	2M) were applied in a street waterial to the magnetic particled in a street waterial or the magnetic particle in a street waterial or the magnetic particle in a street waterial or the magnetic particle in a street waterial water	ne stain examir	less steel nation was	piping. In

	facturer's Data Report (pressurizer) and R/R plans (6) attached. Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
I certify that the statements mad ode, Section XI.	de in the report are correct and that this conforms to the requirements of the ASME
pe Code Symbol Stamp N/A	
	$\dot{\gamma}$
ertificate of Authorization No.	N/A Expiration Date N/A
	(H)
gned · Owner or Owner's	
ERICS. LOEHLE	Fy.J
and the State or Province of PA	CERTIFICATE OF INSERVICE INSPECTION mmission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by <u>Hぶるこ</u> of have inspected the components described in this
	4-19-96 to $10-24-97$, and state that to the
•	Owner has performed examinations and taken corrective measures described in this ne requirements of the ASME Code, Section XI.
examinations and corrective measure	inspector nor his employer makes any warranty, expressed or implied, concerning the es described in this Owner's Report. Furthermore, neither the inspector nor his employer personal injury or property damage or a loss of any kind arising from or connected with
Dean S. Lyn Inspector Signatu	Commissions NB 9428 A NTB P 423 84 Wational Board, State, Province, and Endorsements
D	00 47
Date	

PORM N. IA MANUFACTERIES DATA REPORT FOR NECLEME VESSELS. Alternate Form for Spigle Chamber Remoletally Shop-Fultimited Vessels Only

A CONTRACTOR OF THE CONTRACTOR			marin all and			Charles of the Control of the		
flanulectored by	Veeting	louse El	lectri	Corpor	ation. To	mpa Divist	on. Toppa. I	lorida_
Manufactured ()	ACME CO	LIABL.	An TU	T. ICT TOPAGE	M ·WY·LAHB	KSP: 493 FA LI	-66 Case No	1001
Ja. Appricants	Marie Co	1211	3.		Short Ball	68-50	Vere Built	1471
3. Type Vertical	4-533	latire. Ser in	Non.	de & Biolo I	io.)		Tot	al Lengt
4 Shell: Maserial GT		r.s. 8000	O Tok.	. 19n. Al				
5. Seams: Long Wels	i-Dbl But	DI.T.1	Yes	x.R. <u>Ye</u> s	Ellici	iency 100	% As B)	
Gadleld:	-Dbl But	tH.T.	Yes	x.RYes	No. o	l Courses	3	
6. Hendu: (a) Materia	<u>SA-216</u>	Gr WCC	T.5.	70000	_(b) Macerial	SA-216 Gr	VCC T.	s. 70000
Location (Top, battom, ends)	Thickes on	Crown Redius	Rauckie Redius		Control Apex Angle	Hemispherical Radius		ide to Pressi avez er Cont
(a) Top	3.13	•		en e		3' 6"		Concave
(b) Bottom	4.13					3' 6"		Concave
if semovable, boles	used				Other fastenin	B		
A	(Mete	mel, Spec. R	o., T.3., M	ure, Number)	Bead-	-20	or Attach Shotch;	:
7. Constructed for		•		•	y impacShell	Poe	matic et Test	
design peess						°F. Com	biration Press	3106
8. Safety or Relief Y	aire Outlets	: Number 3	1	_ Size6	Loc	ation Upper 1	lead (70°F Min
9. Nozzles:					•	:		
Puppse (Inlet, Outlet, Desia) Surge	Number 1	Diam. or 14.00	_	Type Weld End	Meterial SA-216	Thickness 1.25	Reinforcement Material SA-216	How Annehi Integr
Spray	1	4.00			Gr WCC	.531	Gr WCC	Cas
10. Inspection Manhols	s. No.	i	Size 1	16"	Location U	per llead		
Openings: Handho			Size		Location			
Thread	rd, No		Sian					
11. Supports: Skirt Ye	ES Luga	(Number)	Legs_(N	- Och	(Describe)	_ Ausched_Or	Lower Head	(Nelded
								•
12. Remarks: The								
coolent pressur	e lor si	cagy st	are or	eration	absorb 1	the primary	coolant vo	lume sur
					flal frans	nent_teror	e any offec	tive
response in the	reactor	contro	I Syst	en.				
								
	0	Fiel deacrip	tion of tu	spone of the	vessel-State Co	patents.)		
	List other	ld Heat-Tres rinternal or	ited. externel p	resauro with	coincident tem	erature when app	lientir.	
We certify that the manship of this is said	Statements Conform to	made in the	is report Code for	are correct tructear Ve	and that all d	etails of materi	al design, constr	action, and
Date Hay 25	19_71	Signed We	stingh	ouse El	ectric Cor	poration B	2.R.W.	clicy
Certificate of Authoriz				April l				
		(CERTI	FICATIO	N OF DESIG	S		
Design information on t	ne orkesti	nghouse	Fleet	ric Cor	poration.	Tanna_Divi	sion. Tampa	Plands
Stress ensigning report o	n the at Kes	tinghou	se_Elc	ctric C	orporation	iTempo_Bi	vicion Tame	a Flori
Design specifications c	ertified by	TT Trom	IC LOF	<u>er Divi</u>	5103 Prof.	enel Katz	State Pa. Rec.	No.04478-
Stress enelysis report c	ertified by	W) Atom	ic Pow	<u>er Divi</u>	Sich Prof.	Engl Lober	Olic File Reg.	No.13436
	:-	CER	Likicy	TE OF S	HOP INSPE	CTION	~-/	
VESSEL MADE BY	Victing	years.	Elect	ice G	-301,	at .	Taraga, 3	ticy:

Form No	2027

Owner	F.E.N.O.C		_ Dat	е	11/05/	/2007	
76 South M	ain Street - Akro	on, OH 44308	_ She	eet <u>1</u>	of	1	
Plant	Beaver Valley P	ower Station (BV	<u>PS)</u> Uni	t No.	1		
	Shippingport, PA	A 15077		Work O		00207490 P.O. No., Job No	o., etc.
Work Perfor	med By <u>BVPS</u>	Maintenance (NAME)	Тур	e Code Symbol	Stamp		I/A
	Shippingport, P/	A 15077	Aut	horization No		N/A	
	(ADDRESS)		Exp	oiration Date _		<u> </u>	
Identification	n of System _	River Water (Q3	3)				
(c) Applicable	e Edition of Section) e Section XI Code Con of Components	(,	≺epiacement Activ	nty <u>1989</u>			
		Manufacturer	National Board	Other		Corrected, Removed.	ASME Code
Name of . Component	Name of Manufacturer	Serial No.	No.	Identification	Year Built	or Installed	
Component							
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	(Yes or N
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	(Yes or N
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	(Yes or N
	Manufacturer	Serial No.	No.	Identification	Built	Installed	Stamped (Yes or N

*Record test pressure and temperature

Applicable Manufacturer's Data Reports to be attached Valve was manufactured to ANSI B31.1 1973E and B16.34 1981E. Replaced 1-1/4" Studs: P.C)
47030430 / Ht. #K339, P.O. D149199-288 / Ht. #84413-QSA; Nuts: P.O. 47048563 / Ht. #A201	<u>·</u>
	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the Asode, Section XI.	SME.
ype Code Symbol Stamp N/A	
ertificate of Authorization No. N/A Expiration Date N/A	
igned Senior Specialist Date November 7 , 20 0)7
CERTIFICATE OF INSERVICE INSPECTION	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of	
Hartford, CT have inspected the components described in this	
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-24-07}{}$, and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	r
Commissions I, W, PALJ 84 Inspector's Signature Commissions T, W, PALJ 84 National Board, State, Province, and Endorsements	

Form No.	2028	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	F.E.N.O.C.			Date	1	0/10/07	
	76 South Ma	in Street – Akron, (ADDRESS)	OH 44308		Sheet	1	of	2
2.	Plant <u>B</u>	Beaver Valley Powe	er Station		Unit No.	. , , ,	1	
	S	Shippingport, PA 15 (ADDRESS)	5077		Repair		#200205788 zation P.O. No., Job N	lo., etc.
3.	Work Perforn	ned By <u>BVPS Ma</u>	aintenance	!	Type Code	Symbol Star	np <u>Not App</u>	li <u>cable</u>
	S	Shippingport, PA 1	5077		Authorization	on No	N/A	
		(ADDRESS)	*		Expiration	Date	N/A	
4.	Identification	of System Re	eactor Plar	nt Compo	nent (Q3)			
	(b) Applicable	Construction Code Edition of Section XI Ut Section XI Code Case(ilized for Rep		•		Code Case	
•		of Components	5) <u>1971</u>		•			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Cŀ	nannel Cover	Henry Vogt	18649	11792	1CC-E-1A	1971	Corrected	Yes
						٠,		
		,						
7.	Description of	if Work <u>Repaire</u>	d Channe	Cover &	replaced Studs	and Nuts.		L
8.	Tests Condu	cted: Hydrostati			Nominal C	•		empt [
		Other	Pressul ssure and temper		psi Tes	st Temp	°F	

9. Remarks Code Data Report attached. No previous NIS-2 Data Report. Applicable Manufacturer's Data Reports to be attached	PA Serial Number 434589.
Replaced 3/4" Studs: P.O. 45177853 / Ht. #Z157; Nuts: P.O. 45178058 /	' Ht. #X510.
	. `
•	•
CERTIFICATE OF COMPLIANCE	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to	the requirements of the ASME
code, Section XI.	
0 1 0 1 10 110	
ype Code Symbol Stamp N/A	
ertificate of Authorization No. N/A Expiration Date	N/A
$\mathcal{L}_{\mathcal{L}}$	
igned Senior Specialist Date Owner or Owner's Designee, Title	te <u>October 22</u> , 20 <u>07</u>
Owner of Owner's Designee, Tille	•
·	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pres	ssure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, CT have inspected the components described	in this
	37_, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective	measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, express	ed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither	r the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind	arising from or connected with
this inspection.	
uns inspection.	
Dean J. Lignif Commissions NB 9428	AJER DA 2384
	Itate, Province, and Endorsements
rispectors signature National Board, S	nate, Fromice, and Endorsements
^ —	
/ / / / / / / / / / / / / / / / / / / /	
Date	·

FORM OF MAXEEACTURERS' DAPPERFORT FOR LAFIRED PRESSURE VESSEES Job 13063 - Unit 1 As required by the Provisions of the ASME Code Rules Section VIII, Division 1

1 Manufactured by Henry Vogt Machine Co., Louisville, Kentucky of Manufactured for Stone & Webster Eng. Corp., SDuquesne Light Company, Shipping Port, Pennsylvania Girth Double Butt H.T. Yes R.T. Spot Sectioned No No. of Courses 5 6. HEADS (a) Material None T.S. (b) Material T.S. Locations of the temperature of the Content of (b) along I now will be a large of the control of t H removable, bolts used (Marerall Specific T's Are Suntate A) Told The Describer Armen Seeich CE IIIIA T. STAYBOLTS: Officerial Officerial Size of Holes Sylven (Threshold, Wellded) Pitch Start (North Start of North B. JACKET CLOSURE: II. TUBES: Matchat 249-T304-5.D. 3/h In. Thickness 10 or Gage Sumper (Kind & Spec. No.)

Items 12-15 inct. (A.B. completed for inner chambers of jacketed vessuls, of shapinels of heat exchangers.

Inlet & Outlet Chambers of The Normal (A.B. Corresion 1/16 Covers only.

12. SHILL Material S.4.515-70 T.S. 7000 Thickness In. Allowance In. Diam. 2 11 Blin Length 111-1/8"

[Kind and Spec. No.) Fig. of F.D. & Spec. Min. T.S.] 13. SEAMS: Long Double Butt H.T. Yes R.I. Spot Sectioned No Efficiency 85 will fill Girth Double Butt H.T. Yes R.I. Spot Sectioned No No. of course 1 each form:

[Girth Double Butt H.T. Yes R.T. Sectioned No No. of course 1 each form:

14. HEADS (a) Material T.S. (b) Material A-515-79, 70000 (c) Material T.S. Knuckle Elliptical Conical in spherical Flat Side to Pressure Radius Ratio April Angle Rating Dispreter (Convex of Conical) (b) thannel Covers 1-5/8" 37-1/2" (c) Floating If removable, bolts used (x) Each channel bolted to tube sheet with 32 - 3/4" X 3-3/4" Staids
SA-193-B7 - 125,000 P.S.I. channel with 32 - 3/4" x 4-3/4" Studs - SA-193-B7; 125,000 P.S. Addressati Structure of max.

Constructed for max.

Min. temp. (which by the structure of the s 15. Constructed for max. 41 Items below to be completed for all vessels where applicable. 16. SAFL TY VALVE OUTLETS: Number Size Size 17. NOZZLES Purpose (Inlet, Outlet, Drain) Thickness. Diam, or Size Shell Water Outlet 1 18"
Shell Vent Nozzle SA-106-B Ex. Hvy. None Welded Shell Vent 1 3/4"
Shell Drain 1 3/4"
Inlet Channel Water Tolet 1 Inlet Channel Water Inlet 1 18" Nozzle SA-106-B Ex. Hyy. " Inlet Channel Yent 1 3/4" Coupling SA-105-2 6000# Outlet Channel Water Outlet 1 __ 18" Nozzle SA-106-B Ex. Hvy. Outlet Channel Extra 1 4"

and the second of the second o

e I les i	FARTS ON GODING	FORM HALL	agk) i i i	10 1 - 37 1377	Will HARMON		
on /III, blyts: .	ijueli (1949) (194	Infords to severe		· · · · · · · · · · / /	1 1200 - 3	Sert Surger	
H. UNEPECTION Manholes,	No. A	Size	Location_	. : (4			_
Off NINGS: Handholes,	No.	Size	Location_	্বিভাগ	रा का उट्टा		-
2. SUPPORTS: Skin	t.ugs_	(Number)	Location	O.R. Supp	ort Rings-	elded to	Shell
O. REMARKS: Primar					· · · · · · · · · · · · · · · · · · ·	4. 45***	
	7. Job Order No.:						-
*Channel side of	each tube sheet i			deposit 3	/8" thick	increasin	g
tube sheet thick	ness to 1-7/8".						-
every resource and the second of the second	يد الدينشير با	سنبت الساسسا			<u> </u>		_
(Brief description	in of purpose of the vessel, as	Air Tank, After Con	ler, Jacketed Con	ker, etc. State con	tems of each part.)	_
We certify that the state of this vessel conform to the	ements made in this report ne ASME Code for Unfired	are correct and that Pressure Vessels.	all details of 3	lesign, material,	construction, an	d workman ship	P
Hace April 26	_ 10, 72 _ Signed H	ENRY VOCT MAC	HINE CO.	By <u>2<</u>	Auille.	:1. <u>€.:-</u>	
Certificate of Authoriza	ation Expires	December 31,	1972 (#40)			
	A france						
UESSEL MADE DE	Henry Vogt Mach	FICATE OF SHO	P INSPECT	ON (mass land)			
VESSEL MADE BY	ed, holding a valid commission	on issued by the Nati	onal Board of Bo	16V1110, KE iler and Pressure	Vessel Inspectors	and/or	,
the State or Providence	nce Natil. Bd., and en	nployed by Emplo	yers Comm	ercial Unio	n Insuranc	e or	·- *
	ompany	have ins	pected the pressi	ire vesse! describ	ed in this magufac	cturér's	
turer has construc	April 23, ted this pressure vessel in	19 (1), and state accordance with the a	that to the best applicable section	of my knowledge is of the ASME-B	and belief, the modern and Pressure	anulac- Vessel	
pressure yeasel de	certificate neither the laspe escribed in this manufacturer any personal injury for prop	's data report. Furthe	rmore, neither the	Inspector nor his	employer shall h	e liable	
Date Apri	1 25	72.	Ç (.) (y			
	neprotors Signsture	Commission			grid No.		
		G	Pennsylv	ania WC-dl	<u> შშ</u> ინი გან		
	· · · · · · · · · · · · · · · · · · ·		·			·	
ره ' الله د	²⁻¹ - CERTIFICAL	E OF FIELD AS	SEMBLY INS	PECTION	D.C=4	.	
i, the undersign	ned, helding a valid commiss	ion issued by the Na	tional Board of B	otler and Pressure	Vessel Inspector	s and or	
	d pressure - sset and state th					a report	
not included in i	d pressure is a set, and state the the certificate of above eneme has constructed and resemb	remonihave been insp	etted by me and	tical to the hest?	af jr knowledge ar	nd-belief ~	
Bouler and Press	the Vesset Code. The Besonb	ed vesset was inspect	ed and sebjected	to a by frostatione	வீயி	p.st.	
pressure vessei	is certificate certiler the Insight-sortied in this manufacture in any periodal insure or pro-	er's data report. Furth	ermige, author t	ie laspectis nor hi	s employer shall !	be liable	•
Lighte	<u></u>	1-0 5	79 G . 53 Ge .		÷	3 2	. , .
	TO THE PROPERTY OF THE PROPERT	Combusti	ins	Na T Brand or Stat	t and No		
	•			•			

This Tornels chrainable from the 4891, 119 1 Cit St. New York, N. Y. 2007.

_			
Form	No	2032	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

Owner	First Energy Co	гр	Date	e	July 19	9, 2007	
Shi	ppingport, PA (ADDRESS)	15077	She	et <u>1</u>	of	1	
Plant	Beaver Valley F	ower Station	Unit	No		1	
	Shippingport, P (ADDRESS)	A 15077		Vork Order #200 Repair/Replacemen			
Work Perform	med By <u>BVPS</u>	Construction S	Service Typ	e Code Symbol	Stamp	. N	/A
	Shippingport, P	A 15077	Auti	norization No		N/A	
	(ADDRESS)		Ехр	iration Date		N/A	
(b) Applicable(c) Applicable		XI Utilized for Repai ase(s) N-491-2	.1.0 1967 Edi		' <u>1</u> Addend	a, <u>—</u> Code C	ase
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buit	Corrected. Removed, or Installed	ASME Code Stampe (Yes o No)
ipe Support	Stone & Webster	N/A	N/A	1CH-R-6A	1976	Corrected	No
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	·N/A	N/A
Description of	of Work <u>Add</u>	ition of (2) 3"x3"	x3/8" angles to r	estraint CH-R-6	A per E	CP-07-0049	9-02.

Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

Other [

No Code Data Report available. Applicable Menufacturer's Data Reports to be attached
Applicable Manufacturer's Data Reports to de attached
·
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME code, Section XI.
ype Code Symbol Stamp N/A
· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization No. N/A Expiration DateN/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Rob Klindworth Date 7-23, 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of
HARTFORM, CT have inspected the components described in this
Owner's Report during the period $4-19-86$ to $8-1-87$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Dear S bywh Commissions I, N, PA 2384
Inspector's stignature National Board, State, Province, and Endorsements
~
Date 8-1-, 20 87

Form	No	2033
1 (7)	I TU.	2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner	First Energy Co	гр	Da	te <u> </u>	October	16, 2007	
SI	hippingport, PA 1	5077	Sh	eet <u> </u>	of	1	···
Plant	Beaver Valley P	ower Station	Un	it No.		1	
	Shippingport, PA	A 15077		Nork Order #200 Repair/Replacement			
Work Perfo	ormed By BVPS	Construction S	Service Typ	oe Code Symbol	Stamp	N	/A
	Shippingport, PA	A 15077	Au	thorization No		N/A	
	(ADDRESS)	٠	Ex	oiration Date _		N/A	
Identification	on of System _	Safety Injection	on System (Clas	s Q1)	 		
(a) Applicable	e Construction Code	ANSI B31	.1.0 1967 Ed	lition. Summer 197	1 Addend	a Code C	ase
	le Edition of Section)					-,	
(c) Applicable	le Section XI Code Ca	ase(s) N-491-2	•		•		
Identification	on of Components	3			•		
Name of Component	Name of Manufacturer	Maunfacturer Serial No.	National Board No.	Other Identification	Year Buik	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
Pipe Support	Stone & Webster	N/A	N/A	1SI-72-R-309	1976	Corrected	No
N/A	N/A	N/A	N/A	. N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Description	of Work Rem	ove 3x3x1/2" a	ngle from suppo	ort SI-72-R-309 p	er ECP	-07-0049-0	1.
Tests Cond	fucted: Hydros Other			ominal Operating Test Temp.			mpt 🏻

*Record lest pressure and temperature

). Remarks <u>No Code Data Rep</u>	Applicable Manufacturer's Data Repor	ts to be attached
	<u> </u>	
	,	_
	CERTIFICATE OF COMPLI	IANCE
•		e de la companya de
I certify that the statements made Code, Section XI.	in the report are correct and that	this conforms to the requirements of the ASME
Type Code Symbol Stamp N/A		
,,po oddo cyman damp <u></u>		No. of the Control of
Certificate of Authorization No.	VA Expiration Date	N/A
Signed Rob Klindworth Owner or Owner's De		10/16 , 20 <u>07 </u>
		
	CERTIFICATE OF INSERVICE IN	SPECTION
	DENTI OF INCLIVIOL IN	
I, the undersigned, holding a valid comm	ission issued by the National Board	of Boiler and Pressure Vessel Inspectors
and the State or Province of PA		
HARTFORD, CT	have inspected the components design $4-19-06$ to	cribed in this $10 - 10 - 10$, and state that to the
Owner's Report during the period best of my knowledge and belief the Owner's		I taken corrective measures described in this
Owner's Report in accordance with the		
	• •	arranty, expressed or implied, concerning the
	,	rthermore, neither the inspector nor his employer
this inspection.	sonal injury or property damage or a	loss of any kind arising from or connected with
ulis rispection.		
ρ () .	- [1
Jean S. hyne Inspectory Signature	Commissions	I, N, PA2384
Inspector's Signature		National Board, State, Province, and Endorsements
D-1- (A 0 1 .	00 17	
Date	, 20 <u>07</u>	

Form No	2034	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	First Energy Col	р	_ Dat	Date September 19, 2007				
Sr	nippingport, PA 1	5077	_ She	Sheet of			11	
Plant	Beaver Valley P	ower Station	Uni	t No		1		
·	Shippingport, PA	<u>15077</u>	<u>Wo</u>	rk Order # 2002 Repair/Replacemen				
Work Perfo	rmed By <u>BVPS</u>	Construction Se	<u>rvice</u> Typ	e Code Symbol	Stamp	N	/A	
	Shippingport, PA	15077	Aut	horization No		.N/A		
	(ADDRESS)		Exp	iration Date _		N/A		
(a) Applicable (b) Applicabl (c) Applicabl	n of System Construction Code Edition of Section X E Section XI Code Ca	ANSI B31.1 (I Utilized for Repair/F	.0 <u>1967</u> Ed	ition, <u>Summer 197</u>		a, <u></u> Code C	ase	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASMI Code Stampe (Yes (
pe Support	Stone & Webster	N/A	N/A	1CH-R-10	1976	Removed	No	
N/A	N/A	N/A	N/A	, N /A	N/A	N/A	N/A	
N/A	N/A	Ň/A	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A .	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Description	of Work <u>Com</u>	plete removal of	support CH-R-	10 per ECP-07-	0049-03	3.		

		turer's Data Reports to be atta-		
,	• •			
	• • • • • • • • • • • • • • • • • • • •			
	CERTIFICATE C	OF COMPLIANCE		
		•	\$ 1.00 miles	
de, Section XI.	e in the report are com	ect and that this conf	forms to the requirements of the A	SME
e Code Symbol Stamp N/A			•	
tificate of Authorization No.	N/A Expir	ation Date	N/A	
	CERTIFICATE OF IN	SERVICE INSPECTIO	N	
the undersigned, holding a valid common the State or Province of PA	and employed by HS	BCT of		
wner's Report during the period	4-19-06	to9-	24-07, and state that to the	
est of my knowledge and belief, the Owner's Report in accordance with the			rrective measures described in this	
	described in this Owner's	s Report. Furthermore	expressed or implied, concerning the neither the inspector nor his employed by kind arising from or connected with	er
****	0		•	

...

Form	Nο	2035	
FUITI	NO.	2000	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

Owner	First Energy Cor	р	Date	e	June 28	3, 2007	-
Shi	ippingport, PA 1	5077	She	et1	of	1	
Plant	Beaver Valley P	ower Station	Unit	No	1	<u> </u>	· · · · · · · · · · · · · · · · · · ·
	Shippingport, PA	A 15077		/ork Order #200 Repair/Replacemen	0258250 t Organization	/ ECP-07-(P.O. No., Job No.	0049-04 etc.
Work Perfor	med By BVPS	Construction S	Service Typ	e Code Symbo	Stamp	N	/A
	Shippingport, PA	A 15077	Auti	norization No		N/A.	
	(ADDRESS)		Exp	iration Date _		N/A	
Identification	n of Components	5					
Name of	Name of	Manufacturer Serial No	National Board	Other Identification	Year Built	Corrected. Removed. or	ASME Code Stamped
Component	Name of Manufacturer Stone & Webster	Manufacturer Serial No. N/A	National Board No.	Other Identification	Year Buith	Removed.	Code Stampe
ipe Support	Manufacturer Stone &	Serial No.	No.	Identification	Built	Removed. or Installed	Code Stampe (Yes o No)
ipe Support	Stone & Webster	Serial No.	No.	Identification	Built	Removed. or Installed	Code Stampe (Yes o No)
ipe Support	Manufacturer Stone & Webster	Serial No.	No.	Identification	Built	Removed. or Installed	Code Stampe (Yes o No)
ipe Support	Stone & Webster	Serial No.	No.	Identification	Built	Removed. or Installed	Code Stampe (Yes o No)

*Record test pressure and temperature

. nema	rks No Code Data Report available. Applicable Manufacturer's Data Reports to be attached
· · · · · ·	CERTIFICATE OF COMPLIANCE
l certif code, Se	y that the statements made in the report are correct and that this conforms to the requirements of the ASME ction XI.
ype Coo	le Symbol Stamp N/A
Certificate	e of Authorization No. N/A Expiration Date N/A
Signed <u>F</u>	Owner or Owner's Designee, Title Date 7/3/67, 20 07
	CERTIFICATE OF INSERVICE INSPECTION
1 the un	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the	State or Province of $\frac{PH}{P}$ and employed by $\frac{HSB}{P}$ CT of
	セナドゥ& d 、 C フィ have inspected the components described in this
Owner's	Report during the period $\frac{4-19-16}{2}$ to $\frac{2-3-167}{2}$, and state that to the
	y knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's	Report in accordance with the requirements of the ASME Code, Section XI.
By signir	ng this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	tions and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be	iable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this insp	ection.
,	
<i>y</i>	ean S. hard Commissions PA 2384 IN
	Inspector's Signature National Board, State, Province, and Endorsements
Date	$\frac{7-3-}{20}$, 20 $\frac{\delta}{2}$

Form No.	2037

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY " As Required by the Provisions of the ASME Code Section XI

. Owner	F.E.N.O.C		_ Date	<u> </u>	10/19/	/2007	,
76 South M	fain Street – Akro	n, OH 44308	_ Shee	et1_	of	3	<u> </u>
Plant	Beaver Valley Po	wer Station (BV	<u>'PS).</u> Unit	No	1	<u>.</u>	
	Shippingport, PA	15077	·	Work O)0229928 P.O. No., Job No	o., etc.
Work Perfor	rmed By <u>BVPS</u>		rvice Type	e Code Symbol	Stamp		I/A
	Shippingport, PA	(NAME) 15077	Auth	orization No	·	N/A	
	(ADDRESS)		Expi	ration Date _			
Identification	n of System	Safety Injection	(Q1)		<u>-</u>		
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components		Replacement Activi	iy <u>1989</u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Globe Valve	Edwards Valves	47	N/A	1SI-97	1997	Removed	No
	Masoneilan/Dresser	448414-1-2	N/A	1SI-97	2007	Installed	Yes
Throttle Valve	<u> </u>						
Throttle Valve Gate Valve	Velan	061001-2	N/A	1SI-483	2007	Installed	Yes
· · · · · · · · · · · · · · · · · · ·	Velan Energy & Process	061001-2 N/A	N/A N/A	1SI-483 Ht. #037046	2007	Installed	Yes No
Gate Valve	Energy &					·.	
Gate Valve Pipe	Energy & Process	N/A	N/A	Ht. #037046	2006	Installed	
Gate Valve Pipe	Energy &	N/A	N/A	Ht. #037046	2006	Installed	

*Record test pressure and temperature

ritificate of Authorization No. N/A Expiration Date N/A gned Senior Specialist Date October 24 , 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4.7.7.0.0 to 10.2.2.7.0.7 and state that to the lest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	Manufactured to ASME Sect. III 1989E, Class 1. Both valves are installed into an ANSI B31.1 system. CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. ype Code Symbol Stamp N/A ertificate of Authorization No. N/A Expiration Date N/A igned Senior Specialist Date October 24 , 20 07
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Dean S. Lizzih Commissions I, N, PAL384	
	this inspection.
	Dean J. herrih Commissions I. N. 142384
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FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

				Page 1 of 2
depart (VVII. Case of the VVIII.		*CORRECTED 11/1	1/07	
Manufactured and certified by	Dresser Inc. Mas		Bodwell St. Avon, MA (2322
2. Manufactured for	First Energy P.O	. Box 6100 Johnstown,	·	
3. Location of installation	First Energy Ger		aver Valley Rte 168 Shi	ppingport PA 15077
4. Model No., Series No., or T	уре _20-18439	Drawing <u>448414</u>	-1 Rev. *F	CRN N/A
5. ASME Code, Section III, Di	vision 1: 2001 (edition)	2003 (addenda dale)	. 2 (class)	N/A (Code Case no.)
6. Pump or valve VALV	Æ	Nominal inlet size 2 l	NCH Outlet size	2 INCH
7. Material: a) Valve Body S/ b) Pump Casting	A 351 GR CF8M Bonnet Cover		isc SA 479 TYPE 410 olting	Bolting SA 453 GR 660
(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casting Serial No.	(d) Bonnet/Cover Serial No.	. (e) Disc Serial No.
N 448414-1-2	N/A	21715-3	242605	T1445-DEO
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(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

		•			C	ertificate Holder's	Serial No. N	448414-1-2
8. Design Conditions	2485	(pressure)	psi 650	"F	or valve p	ressure class	****	(1)
9. Cold working pressure	3782.5	psi at 100°	•	po-mili a,				
10. Hydrostatic test	5675	psi	Disk differe	ntial test pressure		'SEE R	EMARKS	psi
11. *Remarks	NC 35	31.4 Exemptions to	the Valve C	locura Tost			,	
		valves designed for			imary fu	inction of which	ch is to modu	late flow, and
	Which	by their design are	prevented fr	om providing ful	il closur	e, the valve cl	losure test de	efined in
		31.2 is not required ed on the name pla		imitation of nam	ne plate	this requirem	ent could not	be
	Tuernin	ed on the name pla	te usen.			·		
		•						
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CEI	RTIFICATIO	N OF DESIGN		·		
Danian Specification of	adified by	FRANCIS W. GA	DINED	п г (Ctata	D.A.	Dog 20	026614.5
Design Specification con Design Report certified	=	L.C. LUCKHARD		P.E. S P.E. S		PA ONTARIO		036614-E
Design Report Certified	Uy	L.C. LUCKHARD		P.E. 3	State	UNTARIO	_ Reg. no.	27575505
		CERT	TIFICATE O	F COMPLIANC	E			
We certify that the state of the ASME Code, Se			e correct and	I that this pump	or valve	e conforms to	the rules for	construction
N Certificate of Authori	zation No.		N-1836			Expires	NOVEMBE	R 19, 2007
Date 11/1/07 Name	OP ST.	ESSER INC. MASC ERATIONS, 85 BO AVON, MA 02322 N Certificate Holder)		Signed _	Wuf		22 ed representative)	
		CER	TIFICATE O	F INSPECTION	Į			
I, the undersigned, hold	ding a valid	commission issue	d by the Nati	ional Board of B	Boiler an	d Pressure V	essel Inspect	ors and
the State or Province of HARTFORD, CV	f <u>MA</u>		nd employed ave inspecte	by <u>HSB CT</u> d the pump, or v		accribed in thi	e Data Poss	rt on
9/7/0	7			a the pump, or v best of my kno				
constructed this pump,		n accordance with t	he ASME Co	ode, Section III,	Division	າ 1.		
By signing this certifica component described in								
any personal injury or p								y marmer ior
1/2/22		11			•	1121121	40 M	· _
Date ///2/07 Sign	eu ((Authorized Nuclear	Inspector)	Commiss	Sions IN	all Bd. (incl. endorse	ements) and state of	or prov. and no.]
l :								i

(1) For manually operated valves only.

DATA	PACKAGE	NΩ	061001
DWIW	PACKAGE	140 ·	COTOCT

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES * As Required by the Provisions of the ASME Code, Section III, Division 1

Pg.	1.	of	•	2
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	• • •				
1. Manufactured an	d certified by V			.QUEBEC (CANADA H4M1T6
2. Manufactured fo	r PRAMATOME ANP.	3315-A OLD 1	of N Certificate Holder) FOREST RD., LYNCHE	URG, VA.	, USA, 24501
3. Location of ins	tallation	NO	ress of purchaser) OT AVAILABLE		·
4. Model No., Seri	es No., or Type: _ G	(name and add ATE Drawl:	ress) ng P1-76800-N22	Rev <u>H</u>	CRN N/A
5. ASME Code, Sect	ion III, Division 1:	1989 (edition)	NONE (addenda date)	1 (class)	N/A
6. Pump or valve _	VALVE Nominal		2" Outlet s	ize	(Code Case no.)
7. Material: Body	SA-182,F316 Bonnet	SA-182,F316	(in.) Disk SA-351, CF8M		(m.) SA564,630H1100
					SA-194,GR8M
(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.		(e) Disk Serial No.
061001-1	N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-2 061001-3	N/A N/A	H/C: CEH H/C: CEH	H/C: KIF		H/C: 86K H/C: 86K
061001-4 061001-5 061001-6	N/A N/A N/A	H/C: CEH H/C: CEH	H/C: KIF H/C: KIF		H/C: 86K H/C: 86K H/C: 86K
001001			A/C. RIE		n/C: OOK
		·			
					7. 24
			·	-	

Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE, Box 2300, Fairfield, NJ 07007-2300.

FRA-ANP OP SUP REG

FORM NPV-1 (Back - Pg. 2 of __2)

	Certificate Holder's Serial No. 061001
8. Design conditions 4055 psi 100 (pressure) (temperature	°F or valve pressure class 1690 (1)
9. Cold working pressure 4055 psi at 100°	
10. Hydrostatic test 6100 psi. Disk differ	rential test pressure 4475 psi
11. Remarks: MATERIALS MEET ASME SECTION II EDI	TION: 1989 ADDENDA: NONE
CERTIFICATE OF	DESIGN
Design Specification certified by M. LAVIGNE Design report certified by S. ISBITSKY	P.E. State <u>QUB</u> Reg. no. 40052 P.E. State <u>QUB</u> Reg. no. 22115
CERTIFICATE OF CO	MPLIANCE
We cortifue that the statements made in this report	are gorrect and that this man an
We certify that the statements made in this report valve conforms to the rules for construction of the	
N Certificate of Authorization No. N-2797-1	Expires APR 20,2007
Date JAN 17 2006 Name VELAN INC.	signed Cathy Mornell
(N Certificate Holder)	(authorized representative)
CERTIFICATE OF IN	SPECTION
I, the undersigned, holding a valid commission is	sued by the National Board of Boiler and
Pressure Vessel Inspectors and the State or Province	ce ofQUEBEC and employed by
	inspected the pump, or valve, described in
this pata Report on 2007ry 25/2006, and s	
belief, the Certificate Holder has constructed thi ASME Code, Section III, Division 1.	is pump, of valve, in accordance with the
By signing this certificate, neither the inspect	
expressed or implied, concerning the component des	
neither the inspector nor his employer shall be lid or property damage or a loss of any kind arising fr	com or connected with this inspection of
7 00%	J.P.FACHINETTI -QC#13813
Date 121, 27/206 signed (Authorized Inspector)	mmissions QUEBEC OF BATTALEAST OU OFFEE (Natl Bd. (mcl. endorsements) and state or prov. and
no.)	· · · · · · · · · · · · · · · · · · ·
, in the second	RA-ANP
(1) For manually operated valves only.	OP SUP
	REG PAGE 4 OF 22

				Fo	orm No.		2038
F	ORM NIS-2 OWN , As Require	IER'S REPORT ed by the Provis				IVITY	
Owner	F.E.N.O.C		_ Da	te	10/19	/2007	
76 South M	76 South Main Street – Akron, OH 44308 (ADDRESS)			eet1	of	3	
Plant	ant Beaver Valley Power Station (BVPS)			it No.		<u> </u>	
Shippingport, PA 15077 (ADDRESS)			· · · · · · · · · · · · · · · · · · ·	Work (00222640 P.O. No., Job No.	o., etc.
Work Perfor	rmed By <u>BVPS</u>	Construction Se	rvice Ty	oe Code Symbo	l Stamp		I/A
	Shippingport, PA	15077	Au	thorization No.		N/A	
	(ADDRESS)		Ex	piration Date		u	
Identificatio	n of System	Safety Injection	(Q1)				
Name of Component	Name of Manufactur er	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or N
Globe Valve	Rockwell Int'l.	N/A	N/A	1SI-98	1976	Removed	(163 0) 14
				i		i i	No
hrottle Valve	Masoneilan/Dresser	448414-1-4	N/A	1SI-98	2007	Installed	No Yes
	Masoneilan/Dresser Velan	448414-1-4 061001-1	N/A N/A	1SI-98 1SI-484	2007	Installed Installed	·
					<u> </u>		Yes
Gate Valve	Velan Energy &	061001-1	N/A	1SI-484	2007	Installed	Yes
Gate Valve Pipe	Velan Energy &	061001-1 N/A	N/A N/A	1SI-484 Ht. #037046	2007	Installed	Yes
	Velan Energy & Process of Work Repl	061001-1 N/A	N/A N/A	Ht. #037046	2007 2006 n valve a	Installed Installed	Yes

*Record test pressure and temperature

Sect. III 2001E-2003A, Class 2. New valve 1SI-484 was manufactured to ASME Sect. III 1989E,
Class 1. Both valves are installed into an ANSI B31.1 system.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
ype Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date October 25 , 20 07
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this Owner's Report during the period $\frac{4-(9-0)}{6}$ to $\frac{10-34-0}{7}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dear J. hyper Commissions I, N, 142384 Inspector, Signature Commissions I, N, National Board, State, Province, and Endorsements
Date

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

BOOK ALCONO VICTORIA IN THE TRANSPORTATION OF THE POST	-4	NAME OF TRANSPORT OF THE OWNER			Page 1 of 2		
, <u>-</u>	*(CORRECTED 1	1/1/07				
Manufactured and certified by	Dresser Inc. Maso	Dresser Inc. Masoneilan Operations 85 Bodwell St. Avon, MA 02322 (name and address of N Certificate Holder)					
2. Manufactured for	First Energy P.O. E	Box 6100 Johnston		07-6100			
Location of installation	First Energy Gene	•	Beaver Va	lley Rte 168 Shipp	pingport PA 15077		
4. Model No., Series No., or Type		Drawing 4484	(name and address	ess) Rev. <u>*F</u>	CRN N/A		
5. ASME Code, Section III, Division	1: 2001	2003		2	N/A		
6. Pump or valve VALVE	(edition)	(addenda date) ominal inlet size	2 INCH	(class) Outlet size	(Code Case no.) 2 INCH		
7. Material:		-	(in.)		(in.)		
a) Valve Body SA 351	GR CF8M Bonnet Cover	SA 182 GR F316	DiscS Bolting	SA 479 TYPE 410 B	olting SA 453 GR 660		
Of timp casting	Cover						
(a) Cert. Holder's Serial No.	(b) Nat'i Board No.	(c) Body/Casting Serial No.		(d) Bonnet/Cover Serial No.	(e) Disc Serial No.		
N 448414-1-4 N/	A	21666-2	242	605	T1445-DEO		
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(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

	•			C	Certificate Holder's	Serial No. N	448414-1-4
8. Design Conditions	2485 (pressure)	psi	650 (lemperature)	°F or valve p	oressure class		(1)
9. Cold working pressure	3782.5	psi at 100°F					
10. Hydrostatic test	5675	psi 〔	Disk differential test pres	sure	*SEE RE	EMARKS	psi
11. *Remarks	(b)For valves Which by their NC-3531.2 is	designed for nor design are prev	Valve Closure Tes nisolation service, t rented from providi to size limitation o self.	he primary fu ng full closui	re, the valve clo	osure test de	efined in
		CERTIF	ICATION OF DES	IGN			
Design Specification ce	rtified by FRAI	NCIS W. GARDI	NER	P.E. State	PA	Reg. no.	036614-E
Design Report certified	by L.C. I	LUCKHARDT		P.E. State	ONTARIO	Reg. no.	27575505
					P 14		
We certify that the state of the ASME Code, Sec			CATE OF COMPLI		e conforms to t	the rules for	construction
N Certificate of Authoriz	ation No.	N-	1836		Expires	NOVEMBER	R 19, 2007
Date 11/1/07 Name	OPERATIO	INC. MASONEI DNS, 85 BODWI , MA 02322 te Holder)		wu		d representative)	
		CERTIFI	CATE OF INSPEC	TION			
I, the undersigned, hold the State or Province of of HARTFORD, CT 9/7/07 constructed this pump, By signing this certificat component described in any personal injury or p Date 11/2/01 Signer	or valve, in accore, neither the inset this Data Report roperty damage of	and en have i have i and state the dance with the A pector nor his er t. Furthermore,	mployed by HS inspected the pumple at to the best of management of the management of	B CT o, or valve, depth of the properties of th	escribed in this and belief, the n 1. xpressed or im aployer shall be with this inspec	s Data Repo e Certificate I plied, conce e liable in an tion.	rt on Holder has rning the y manner for

(1) For manually operated valves only.

DATA	PACKAGE	NO.	061001
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FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES * As Required by the Provisions of the ASME Code, Section III, Division 1

Pg	1	ο£	•	2

1. Manufactured ar	nd certified byV		WARD AVE, MONTRE	AL QUEBEC	CANADA H4M1T6
2. Manufactured fo	FRAMATOME ANP.	3315-A OLD 1	s of N Certificate Holder) FOREST RD., LYNC	HBURG, VA.	, USA, 24501
3. Location of ins	stallation	•	ress of purchaser) OT AVAILABLE		
4. Model No., Seri	es No., or Type:G	(name and add ATE Drawin	ress) ag <u>P1-76800-N22</u>	Rev H	CRN N/A
5. ASME Code, Sect	ion III, Division 1:	1989	NONE	1	N/A
6. Pump or walve	VALVE Nominal	(edition) inlet size	(addenda date) 2"Outlet	(class) size	(Code Case no.)
7. Material: Body	SA-182,F316 Bonnet	SA-182, F316	(in.) Disk SA-351,	Bolting	(m.) J SA564,630H1100
		. ,	CF8M		SA-194, GR8M
(a)	(b)	(c)	(d)		(e)
Cert. Holder's	Nat'l Board	Body Serial	Bonne Seria		Disk Serial
Serial No.	No.	No.	No.		No.
061001-1	N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-2	N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-3	N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-4	N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-5	N/A N/A	H/C: CEH	H/C: KIF		H/C: 86K
061001-6	N/A	H/C: CEH	H/C: KIF	 ' .	H/C: 86K
					
					
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE, Box 2300, Fairfield, NJ 07007-2300.

FRA-ANP OP SUP REG

FORM NPV-1 (Back - Pg. 2 of ____)

		Certificate	e Holder's Se	rial No. 061001
8. Design conditions 4055 (pressure)	psi 100 (temperature		e pressure cl	ass 1690 (1)
9. Cold working pressure 4055	psi at 100°F		•	
10. Hydrostatic test 6100 p	si. Disk differe	ential test pr	essure	4475 psi
11. Remarks: MATERIALS MEET ASME	SECTION II EDIT	ION: 1989 AD	DENDA: NONE	
			•	
		• .		
	CERTIFICATE OF D	ESIGN		
Design Specification certified by _ Design report certified by		P.B. State		no. 40052 no. 22115
			200	
		•	* ,	
CE	ERTIFICATE OF COM	PLIANCE		
We certify that the statements made	in this report	ro gorrost a	nd that this	numn or
valve conforms to the rules for con N Certificate of Authorization No.	struction of the	ASME Code, S		ivision 1.
		Λ		
Date JAN 17 2006 Name VEL	AN INC.	Signed 601	try Ollern	
(N	Certificate Holder)		(authorized representa	tive)
•			•	•
	·	<u> </u>	·	
CE	RTIFICATE OF INS	PECTION		
I, the undersigned, holding a valid	d commission issu	ied by the Na	tional Board	of Boiler and
Pressure Vessel Inspectors and the				nd employed by
this Data Report on January 25				e, described in
belief, the Certificate Holder has				
ASME Code, Section III, Division 1.				
By signing this certificate, neith				
expressed or implied, concerning the neither the inspector nor his emplo				
or property damage or a loss of any	kind arising fro	om or connecte	ed with this	inspection 040
			J.P.FACHINET	11-00:413813
Date 121,25/206 signed (Authorized)		issions <u>QUEF</u> (Natl Bo	BEC REGIE DU BATIMENT L (mcl. endorsements)	
no.)				
	FI	RA-ANP		•
(1) For manually operated valves only.		P SUP		i
		REG	PAGE H	OF 22

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	Owner F.E.N.O.C			e	10/19/	2007	
76 South Main Street – Akron, OH 44308 (ADDRESS)			_ She	eet1	of	3	3
Plant	Beaver Valley Po	wer Station (B\	<u>/PS)</u> Uni	t No.	1	i	·
	Shippingport, PA	15077		Work Ol Repair/Replacement		00229929 P.O. No., Job N	o., etc.
Work Perfor	med By <u>BVPS</u>	Construction Se	ervice Typ	e Code Symbol	Stamp		I/A
	Shippingport, PA	15077	Aut	horization No		N/A	
	(ADDRESS)	•	Exp	oiration Date _		. 4	
Identification	n of System	Cafety Injection	. (01)				,
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components						
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board	Other	Year	Corrected. Removed. or	ASME Code Stamped
Component Globe Valve	Rockwell Int'l.	N/A	No.	Identification	1976	Installed Removed	(Yes or No
hrottle Valve	Masoneilan/Dresser	448414-1-1	N/A	1SI-99	2007	Installed	Yes
Gate Valve	Velan	061001-6	N/A	1SI-485	2007	Installed	Yes
Pipe	Energy & Process	N/A	N/A	Ht. #037046	2006	Installed	No
. Description	of Work Repl	aced throttle va	lve and installe	d a new isolation	valve a	and pipe.	

*Record test pressure and temperature

9. Remarks Code Data Report attached. Replacement valve 1SI-99 was manufactured to ASME Applicable Manufacturer's Data Reports to be attached
Sect. III 2001E-2003A, Class 2. New valve 1SI-485 was manufactured to ASME Sect. III 1989E,
Class 1. Both valves are installed into an ANSI B31.1 system.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Type Godd Gymbol Glamp 1.4//
Certificate of Authorization No. N/A Expiration Date N/A
$\mathcal{L}(\mathcal{O},\mathcal{A},\mathcal{A})$
Signed Senior Specialist Date October 25 , 20 07
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-24-07}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Dean S. Much Commissions I, N, P + 2384
Inspector's Signature National Board, State, Province, and Endorsements
Date / 9 - 3/ 20 0 7

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Page 1 of 2

*CORRECTED 11/1/07 Dresser Inc. Masoneilan Operations 85 Bodwell St. Avon, MA 02322 1. Manufactured and certified by (name and address of N Certificate Holder) First Energy P.O. Box 6100 Johnstown, PA 15907-6100 2. Manufactured for First Energy Generation Dist. Center Beaver Valley Rte 168 Shippingport PA 15077 3. Location of installation (name and address) 4. Model No., Series No., or Type 20-18439 Drawing <u>448414-1</u> Rev. *F CRN N/A 2001 2003 5. ASME Code, Section III, Division 1: (Code Case no.) (addenda date) VALVE 2 INCH 2 INCH 6. Pump or valve Nominal inlet size Outlet size 7. Material: SA 351 GR CF8M Bonnet SA 182 GR F316 SA 479 TYPE 410 Bolting SA 453 GR 660 a) Valve Disc b) Pump Cover Casting Bolting (a) (c) (e) Cert. Naťl Body/Casting Bonnet/Cover Disc Holder's Board Serial Serial Serial Serial No No. No. No. No. N 448414-1-1 T1445-DEO N/A 21666-1 242605

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

and the control of th

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FORM NPV-1 (Back - Pg. 2 of 2)

				,	Certificate Hotder's	Senarivo. 11	440414-1-1
8. Design Conditions	2485		i 650 (temperatu		pressure class		(1)
9. Cold working pressure	3782.5	psi at 100°F	, temperate	,			
10. Hydrostatic test	5675	psi	Disk differential t	est pressure	'SEE RI	EMARKS	psi
11. *Remarks	(b)For valv Which by t NC-3531.2	neir design are pr	onisolation ser evented from p To to size limita	e Test vice, the primary f providing full closu ition of name plate	re, the valve cl	osure test de	efined in
		CERT	TIFICATION O	F DESIGN			
Design Specification ce	rtified by FI	RANCIS W. GARI	DNER	P.E. State	PA	Reg. no.	036614-E
Design Report certified		C. LUCKHARDT		P.E. State	ONTARIO		27575505
						<u></u>	
		CERTIF	ICATE OF CO	MPLIANCE			
We certify that the state of the ASME Code, Sec			correct and that	this pump or valv	re conforms to	the rules for	construction
N Certificate of Authoriz	ation No.	١	N-1836		Expires	NOVEMBE	R 19, 2007
Date 11/1/07 Name	OPERA ST. AV	ER INC. MASON TIONS, 85 BODY ON, MA 02322 ifficate Holder)		ned <u>(/) (/)</u>		ed representative)	
		CERTI	FICATE OF IN	SPECTION			
I, the undersigned, hold the State or Province of HARTFORD, CT 2/7/07 constructed this pump, By signing this certificat component described in any personal injury or p	or valve, in acce, neither the or this Data Reproperty damage	and have and state cordance with the inspector nor his port. Furthermore	employed by e inspected the that to the bes a ASME Code, employer make e, neither the in	HSB CT pump, or valve, of t of my knowledge Section III, Division as any warranty, e spector nor his er	described in thise and belief, the on 1. expressed or imployer shall be	s Data Repo e Certificate aplied, conce e liable in an	rt on Holder has

(1) For manually operated valves only.

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES *
As Required by the Provisions of the ASME Code, Section III, Division 1

Pq	. :	1. c	f	2
~ ~	• .	· ·	-	~

	•				
1. Manufactured ar	nd certified byV		WARD AVE, MONTRE	AL QUEBEC CAN	ADA H4M1T6
2. Manufactured fo	FRAMATOME ANP.	3315-A OLD	s of N Certificate Holder) FOREST RD., LYNCI	HBURG, VA., U	SA, 24501
3. Location of ins	stallation	N	ress of purchaser) OT AVAILABLE		<u> </u>
4. Model No., Seri	les No., or Type: _ G	(name and add ATE Drawin	ress) ag <u>P1-76800-N22</u>	Rev H CRN	N/A
5. ASME Code, Sect	ion III, Division 1:	1989	NONE	11	N/A
6. Pump or valve	VALVE Nominal	(edition) inlet size	(addenda date) 2"Outlet	(class) size 2"	(Code Case no.)
7. Material: Body	SA-182,F316 Bonnet	SA-182,F316	(in:) Disk SA-351,	(in.) Bolting Si	A564,630H1100
			CF8M		SA-194, GR8M
(a)	(b)	(c)	(d)		(e)
Cert.	Nat'l	Body	Bonne		Disk
Holder's	Board	Serial	Seria		Serial
Serial No.	No.	No.	No.		No.
061001-1	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
061001-2	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
061001-3	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
061001-4	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
061001-5	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
061001-6	N/A	H/C: CEH	H/C: KIF	H/C	: 86K
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE, Box 2300, Fairfield, NJ 07007-2300.

FRA-ANP OP SUP REG

FORM NPV-1 (Back - Pg. 2 of 2)

		Certificate F	Kolder's Serial	No. 061001
8. Design conditions 4055 ps (pressure)	(temperature)		pressure class	1690 (1)
9. Cold working pressure 4055	_ psi at 100°F			
10. Hydrostatic test 6100 psi	. Disk differe	ntial test pres	sure	5 psi
11. Remarks: MATERIALS MEET ASME SEC	CTION II EDITI	ON: 1989 ADDE	NDA: NONE	
				-
CE	RTIFICATE OF D	SIGN		
	i tauranu	D. H. Obata	OFFI	
Design Specification certified by Design report certified by		P.E. State		
		-		
CERT	IFICATE OF COM	LIANCE		
	• •			
We certify that the statements made in valve conforms to the rules for constr	_			
N Certificate of Authorization No.			pires APR 20	
Date JAN 17 2006 Name VELAN	INC.	signed Cath	1000mall	
(N Cert	ficate Holder)		thorized representative)	
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•		
CERT	IFICATE OF INSE	ECTION		
I, the undersigned, holding a valid of				
Pressure Vessel Inspectors and the Starter DU BATIMENT of QUEBEC,			$\underline{\hspace{1cm}}$ and ϵ	
this Data Report on January 25/2	206 , and sta	te that to the	best of my kno	wledge and
belief, the Certificate Holder has co ASME Code, Section III, Division 1.	nstructed this	pump, or valve	e, in accordance	e with the
By signing this certificate, neither expressed or implied, concerning the				
neither the inspector nor his employer	shall be liab	le in any manne	r for any perso	mal injury
or property damage or a loss of any k				
Date 121, 25/206 signed (Authorized Inspe	Comm	issions <u>QUEBEC</u> (Natl Bd. (n	GIE DU BATRIENT DU OI acl. endorsements) and stat	UÉBEC (1)
no.)				
(1) For manually operated valves only.	t .	A-ANP P SUP		
/=/ 2 -E	1.0			

Form No.	2043	•

	Owner First Energy Corp.			·	5/23	3/07	· · · · · · · · · · · · · · · · · · ·
Sh	ippingport, PA. 1	5077	She	et1	of		1
Plant	Beaver Valley Po	ower Station	Unit	No	1		
	Shippingport, PA	. 15077		ECP-07-0 Repair/Replacemen			
Work Perfo	rmed By <u>BVPS</u>	Construction (NAME)	Тур	e Code Symbol	Stamp	1	N/A
	Shippingport, PA	. 15077	Auth	orization No	··	N/A	
•	(ADDRESS)		Expi	ration Date		N/A	
Identification	n of System	Recirculating !	Spray (Code Cla	ss 2)			
ase (b) Applicabl (c) Applicabl	e Construction Code le Edition of Section X le Section XI Code Ca le of Components	l Utilized for Repai se(s): <u>N/A</u>					
Name of Component	Name of Manufacturer	Manufacturer · Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Pipe Support	Stone & Webster	N/A	N/A	1RS-A-24	1976	Corrected	No
					,		
•							
	1 !		1 .				
		·	ļ		.		

*Record test pressure and temperature

remarks <u>NO C</u>	ode data report available Applicable Manufacturer's Data Reports to be attached
· ·	CERTIFICATE OF COMPLIANCE
I certify that the steed, Section XI.	atements made in the report are correct and that this conforms to the requirements of the ASME
pe Code Symbol S	tamp <u>N/A</u>
ertificate of Authoriz	ration No. N/A Expiration Date N/A
gned <u>Willis R. Gar</u>	man - Engineer Mull Date 9/26 , 20 07 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	Iding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors nce of Pennsylvania and employed by HSB CT of
Hartford, Ct.	have inspected the components described in this
Owner's Report during	1/16 1/1
	and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in acc	ordance with the requirements of the ASME Code, Section XI.
By signing this certific	ate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and con	ective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
-	nanner for any personal injury or property damage or a loss of any kind arising from or connected with
his inspection.	
^	
<u>«lea</u>	Inspector's Signature Commissions I, J, P+2384 National Board, State, Province, and Endorsements
_	
Date / C	<u>-22-</u> , 20 <u>07</u>

		•
Form No	2044	
I CHILLIAN). 2 077	

Owner	First Energy Co	orp.	Date)	5/2	3/07	
Shippingport, PA. 15077 (ADDRESS)			She	et <u>1</u>	of	·	1
Plant	Beaver Valley Po	wer Station	Unit	No	•	1	
	Shippingport, PA	. 15077		ECP-07-0 Repair/Replacemen		20025286 1 P.O. No., Job N	
Work Perfo	rmed By BVPS	Construction (NAME)	Туре	e Code Symbo	Stamp	1	N/A
	Shippingport, PA	15077	Auth	orization No		N/A	
	(ADDRESS)		Expi	ration Date		N/A	
Identificatio	n of System	Residual Heat	Removal (Code	Class 2)			··· • · · · · · · · · · · · · · · · · ·
(a) Applicable	Construction Code _	ANSI B31.	1.0 1967	Edition, <u>Su</u>	ımmer 197	<u>1</u> Addenda,	Code
(c) Applicable	e Edition of Section XI e Section XI Code Cas n of Components		/Replacement Activit	y <u>1989</u>	·		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Corrected. Removed. or Installed	ASME Code Stamped (Yes or N
ipe Support	Stone & Webster	N/A	N/A	IRH-A-1	1976	Corrected	No
		· · · · · · · · · · · · · · · · · · ·					
	·						
· · · · · · · · · · · · · · · · · · ·				*** · **** <u>-</u> ·	1		<u> </u>
	of Work Remo	oval of diagona	l brace and base	plate to provid	le cleara	nce for	
Description							

Remarks No Code data report available Applicable Manufacturer's Data Reports to be attached	
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASN ode, Section XI.	ΙE
rpe Code Symbol Stamp N/A	
rtificate of Authorization No. N/A Expiration Date N/A	
gned Willis R. Garman - Engineer Wish box Date 9/26, 20, 20, 20	
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, Ct. have inspected the components described in this	
Owner's Report during the period $\frac{\sqrt{-19^{-0} \text{ b}}}{}$ to $\frac{\sqrt{0-22-0.7}}{}$, and state that to the	
est of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer	
hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
his inspection.	
Mational Board, State, Province, and Endorsements	
rispector's Signature National Board, State, Province, and Endorsements	
~ (4)) .	
Date <u>/0-22-</u> , 20 <u>07</u>	

E N.	0054	
Form No.	2051	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner <u>F.E.N.O.C.</u>			_ Date	e <u>:</u>	10/8/	2007	<u> </u>
76 South Main Street Akron, OH 44308 (ADDRESS)			_ She	et1	of	1	
Plant Beaver Valley Power Station (NAME)			Unit	No		1	
	Shippingport, PA	A 15077		Work C		00262528 P.O. No., Job No.	., etc.
. Work Perfor	rmed By <u>BVPS</u>	Maintenance (NAME)	Тур	e Code Symbo	l Stamp	Not Appli	cable
	Shippingport, PA	A 15077	Auth	norization No		N/A	
	(ADDRESS)		Expi	iration Date	·	N/A	
. Identificatio	n of System _	Diesel Generat	or Fuel Oil (Q3)				
	e Section XI Code Ca	, ,					
N	Name of	Manufacture	National Board	0.1		Corrected, Removed.	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built		Code
Component						Removed. or	Code Stamped (Yes or
Component	Manufacturer	Serial No.	No.	Identification	Built	Removed. or Installed	Code Stamped (Yes or No)
Сотролен	Manufacturer Crane	Serial No.	No.	1FO-36	Built	Removed. or Installed	Code Stamped (Yes or No)
Сотролен	Manufacturer Crane	Serial No. N/A	No.	1FO-36	Built	Removed. or Installed	Code Stamped (Yes or No) No
Component Check Valve	Manufacturer Crane	Serial No. N/A Display the first of the leaf to	No. N/A	1FO-36	Built	Removed. or Installed	Code Stamped (Yes or No) No
Component Check Valve	Manufacturer Crane	Serial No. N/A Display the first of the leaf to	No. N/A	1FO-36	Built	Removed. or Installed	Code Stamped (Yes or No) No
Component Check Valve	Manufacturer Crane	Serial No. N/A Display the first of the leaf to	No. N/A	1FO-36	Built	Removed. or Installed	Code Stamped (Yes or No) No

*Record test pressure and temperature

9. Remarks No Code Data Report available. Replaced 3/4" Capscrews: PO. 45237967 / Ht. #OV93. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date November 13, 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT
have inspected the components described in this Owner's Report during the period $4-19-06$ to
no 34-02 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Doon S. Tyrik Commissions I. N. 14 2384
Inspector's Signature National Board, State, Province, and Endorsements Date

Form No.	2055	
	7055	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

Owner	
Shippingport, PA 15077 (ADDRESS) Work Performed By BVPS Construction (NAME) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 (ADDRESS) Expiration No. N/A Expiration Date N/A Identification of System River Water (Q3) (a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 Addenda, N/A Code Case (b) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Component Name of Manufacturer Senal No. N/A N/A Code Case N/A Pipe Stone & N/A Webster N/A N/A N/A N/A N/A N/A N/A N/	
Work Performed By BVPS Construction (NAME) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 Authorization No. N/A [CADDRESS] Expiration Date N/A Identification of System River Water (Q3) (a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 (c) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Manufacturer Serial No. National Board No. Diber (Serial No. No. Diber (Serial No. No. Diber (Serial No. No. Diber (Serial No. No. Diber (Serial No. No. Diber (Serial No. Diber	
Shippingport, PA 15077 Shippingport, PA 15077 Authorization No. N/A Expiration Date N/A Identification of System River Water (Q3) (a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 (c) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Component Name of Manufacturer Serial No. National Board Identification Built Process Corp N/A N/A N/A N/A N/A N/A N/A N/	, etc.
Corrected Corr	<u>cable</u>
Identification of System River Water (Q3)	
(a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 (c) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Year Removed. or Installed	
(a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 (c) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Component Name of Manufacturer Serial No. National Board No. Other Jean General Removed, or Installed Pipe Stone & N/A N/A 24"-WR-20- 1976 Corrected Webster 151-Q3 Installed Pipe Energy & N/A N/A HT# RY5529 2003 Installed	
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 (c) Applicable Section XI Code Case(s): N-416-2 Identification of Components Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Serial No. Pipe Stone & N/A N/A 24"-WR-20- 151-Q3 1976 Corrected	
Component Components Name of Component Name of Component Name of Component Name of Manufacturer Serial No. Name of Manufacturer Serial No. Name of Manufacturer National Board No. Other Identification Serial No. N	
Name of Components Name of Manufacturer National Board No. Other Identification Year Or Installed	
Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Pault Pear Built Or Installed Pipe Stone & N/A N/A 24"-WR-20- 151-Q3 Pipe Energy & N/A N/A N/A HT# RY5529 2003 Installed	
Name of Component Name of Manufacturer Serial No. Pipe Stone & Webster N/A N/A N/A 24"-WR-20-151-Q3 Installed Pipe Energy & Process Corp N/A N/A N/A HT# RY5529 2003 Installed	
Pipe Energy & N/A N/A HT#RY5529 2003 Installed	ASME Code Stamped (Yes or No)
Process Corp	No
Description of Work — Penlaced section of pine	No
Description of Work — Replaced section of pine	
Description of Work — Replaced section of pine	
Description of Work — Replaced section of pine	1
. Description of work Neplaced section of pipe.	
. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exe	mpt 🗀

Applicable Manufacturer's Data Reports to be attached	<u>.</u>
Approache Mandiacture, 3 Data Nepora to de attache	3
	5
	<u> </u>
	1134
CERTIFICATE OF COMPLIANCE	
CENTIFICATE OF COMPLIANCE	1.14
I certify that the statements made in the report are correct and that this confor	ms to the requirements of the ASME
ode, Section XI.	
ype Code Symbol Stamp N/A	
	A.V.A
ertificate of Authorization No. N/A Expiration Date	N/A
$\mathcal{L}(\mathcal{L}_{e})$	
igned Senior Specialist	Date October 31, 2007
Owner or Owner's Designee, Title	·
CERTIFICATE OF INSERVICE INSPECTION	•
I, the undersigned, holding a valid commission issued by the National Board of Boiler and	Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT	ofHartford, CT
ave inspected the components described in this Owner's Report during the period	•
	•
$0-\lambda Y-\delta 7$ and state that to the best of my knowledge and belief, the Owner has performe	d evaminations and taken corrective
page residential to the Description accordance with the requirements of the AS	ME Code Section VI
easures described in this Owner's Report in accordance with the requirements of the AS	ME Code, Section XI.
reasures described in this Owner's Report in accordance with the requirements of the AS	ME Code, Section XI.
reasures described in this Owner's Report in accordance with the requirements of the AS By signing this certificate neither the inspector nor his employer makes any warranty, exp	ME Code, Section XI.
easures described in this. Owner's Report in accordance with the requirements of the AS By signing this certificate neither the inspector nor his employer makes any warranty, exp	ME Code, Section XI. pressed or implied, concerning the
easures described in this Owner's Report in accordance with the requirements of the AS By signing this certificate neither the inspector nor his employer makes any warranty, expensions and corrective measures described in this Owner's Report. Furthermore, n	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
easures described in this. Owner's Report in accordance with the requirements of the AS By signing this certificate neither the inspector nor his employer makes any warranty, exp examinations and corrective measures described in this Owner's Report. Furthermore, n shall be liable in any manner for any personal injury or property damage or a loss of any	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
By signing this certificate neither the inspector nor his employer makes any warranty, expectaninations and corrective measures described in this Owner's Report. Furthermore, n	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
By signing this certificate neither the inspector nor his employer makes any warranty, expectantial examinations and corrective measures described in this Owner's Report. Furthermore, in shall be liable in any manner for any personal injury or property damage or a loss of any	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
By signing this certificate neither the inspector nor his employer makes any warranty, expeximinations and corrective measures described in this Owner's Report. Furthermore, in shall be liable in any manner for any personal injury or property damage or a loss of any this inspection.	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
By signing this certificate neither the inspector nor his employer makes any warranty, exp examinations and corrective measures described in this Owner's Report. Furthermore, in shall be liable in any manner for any personal injury or property damage or a loss of any this inspection. Commissions I, M	ME Code, Section XI. pressed or implied, concerning the leither the inspector nor his employer
By signing this certificate neither the inspector nor his employer makes any warranty, exp examinations and corrective measures described in this Owner's Report. Furthermore, n shall be liable in any manner for any personal injury or property damage or a loss of any this inspection. Commissions I, M	oressed or implied, concerning the neither the inspector nor his employer kind arising from or connected with
By signing this certificate neither the inspector nor his employer makes any warranty, exp examinations and corrective measures described in this Owner's Report. Furthermore, in shall be liable in any manner for any personal injury or property damage or a loss of any this inspection. Commissions I, M	oressed or implied, concerning the neither the inspector nor his employer kind arising from or connected with

Form No.	2056

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner _	F.E.N.O.C.			Date	10/1	6/2007	,
76 South Main Street – Akron, OH 44308 (ADDRESS)				Sheet	c	of	1
2. Plant [,]	2. Plant- <u>Beaver Valley Power Station</u>					1	
	Shippingport, PA 15077 (ADDRESS)				ork Order #2 cement Organization	200031462 on P.O. No., Job N	lo., etc.
3. Work Per	3. Work Performed By BVPS Valve Team (NAME)				nbol Stamp	Not App	licable
Shippingport, PA 15077 (ADDRESS)				Authorization No. N/A Expiration Date N/A			
4. Identificat	tion of System Q	uench Spr	ay (Q2)	· · · · · · · · · · · · · · · · · · ·			
(c) Applica	able Edition of Section XI U able Section XI Code Case tion of Components		oair/Replac	ement Activity 1989			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
Gate Valve	Pacific Valve	158076	N/A	MOV-1QS-100A	1976	Corrected	No
- (-, e/ f.e.	लेक्स है। अ ला है रहे	·					., .
7. Description	on of Work Replac	ed body to	bonnet s	studs and nuts.			
					···		
8. Tests Cor	Other [re	* Nominal Oper	ating Press mp		•

	C; Nuts: P.O. 45204172 / Ht. #443C.
CI	ERTIFICATE OF COMPLIANCE
I certify that the statements made in the Code, Section XI.	report are correct and that this conforms to the requirements of the ASME
ype Code Symbol Stamp N/A	
ye - sad dymad damp	
Cortificate of Authorization No. 1/4	Everina Data AVA
Certificate of Authorization NoN/A	Expiration DateN/A
South s	
Owner or Owner's Designee, T	Senior Specialist Date November 13, 20 07
CERT	IFICATE OF INSERVICE INSPECTION
•	•
	issued by the National Board of Boiler and Pressure Vessel Inspectors
I the undersigned holding a valid commission	
	•
and the State or Province of Pennsylvania	and employed by HSB CT of
and the State or Province of Pennsylvania Hartford, CT	and employed byHSB CT of have inspected the components described in this
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period	and employed by HSB CT of have inspected the components described in this
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period	and employed by <u>HSB CT</u> of have inspected the components described in this $4-19-06$ to $10-24-07$, and state that to the as performed examinations and taken corrective measures described in this
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha	and employed by <u>HSB CT</u> of have inspected the components described in this $4-19-06$ to $10-24-07$, and state that to the as performed examinations and taken corrective measures described in this
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require	and employed by <u>HSB CT</u> of have inspected the components described in this $4-19-06$ to $10-24-07$, and state that to the as performed examinations and taken corrective measures described in this
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the required By signing this certificate neither the inspector	and employed by <u>HSB CT</u> of have inspected the components described in this $4-19-06$ to $10-24-07$, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI.
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ shall be liable in any manner for any personal in	and employed by HSB CT of have inspected the components described in this 4-/9-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ	and employed by HSB CT of have inspected the components described in this 4-/9-06 to /0-24-07, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ shall be liable in any manner for any personal in	and employed by HSB CT of have inspected the components described in this 4-/9-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ shall be liable in any manner for any personal in	and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. In or his employer makes any warranty, expressed or implied, concerning the abed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ shall be liable in any manner for any personal in	and employed by HSB CT of have inspected the components described in this 4-/9-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner ha Owner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures describ shall be liable in any manner for any personal in	and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ments of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
and the State or Province of Pennsylvania Hartford, CT Owner's Report during the period best of my knowledge and belief, the Owner has Owner's Report in accordance with the required. By signing this certificate neither the inspector examinations and corrective measures describe shall be liable in any manner for any personal in this inspection. Deau Inspector's granture	and employed by HSB CT of have inspected the components described in this 4-19-06 to 10-24-07, and state that to the as performed examinations and taken corrective measures described in this ments of the ASME Code, Section XI. nor his employer makes any warranty, expressed or implied, concerning the sed in this Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with

Form No.	2057

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

. Owner	Owner First Energy Corp			te	10/2	2/07	
76 S. Ma	ain St. Akron, O	hio 44308	_ Sho	eet <u> </u>	of	11	·
Plant	Beaver Valley P	ower Station	Un	it No.	. 1	1	
Shippingpor	rt, Pa. 15077 (ADORESS)		· · · · · · · · · · · · · · · · · · ·	ECP 03-02 Repair/Replacement		200205616 P.O. No., Job No.,	
. Work Performed By BVPS Refueling			Туг	Type Code Symbol Stamp N/A			Ά
Shippingpor	rt, Pa. 15007		Aut	Authorization NoN/A			
	(ADDRESS)		Ex	piration Date _	N/A		
Identification	n of System	Reactor Coolar	nt (Q1)				<u> </u>
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components	ase(s) N/A	Replacement Activ	rity <u>1989</u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASM Code Stamp (Yes No)
		N/A	N/A	1RC-R-1	1986	Соггестед	No
RDM Seismic Tie Rods	Westinghouse						
	Westinghouse	Magail .	a special section of the	si i e e e e	es 1875	ge v	. ,
		Magazia de la compansión de la compansió	a de la villa de la composition della compositio	Tsi: 1	ek 1572	ger V	
Tie Rods		Magazia de la compansión de la compansió		Sir Control of the Co		gr · · · · · · · · · · · · · · · · · · ·	
- 229 % Geoffa		ises and connec	Kingga Marin Indon	ach end of tie rod		ods total) we	ere

replaced. The de lowidinouche be	etween the clevis ends was reused.
CER	TIFICATE OF COMPLIANCE
I certify that the statements made in the repode, Section XI.	port are correct and that this conforms to the requirements of the ASME
pe Code Symbol Stamp N/A	
rtificate of Authorization No. N/A	Expiration DateN/A
gned J. Gazdacko J Dazdack Owled of Owner's Designee, Title	leo Date 10/23, 2007
	CATE OF INSERVICE INSPECTION sued by the National Board of Boiler and Pressure Vessel Inspectors
nd the State or Province of Pennsylvania	·
	have inspected the components described in this
Owner's Report during the period	4-19-06 to $10-24-09$, and state that to the
	performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirement	
•	•
examinations and corrective measures described hall be liable in any manner for any personal injur	r his employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the inspector nor his employer ary or property damage or a loss of any kind arising from or connected with
his inspection.	
Lean J. Dyrik the property of solutions of the solution of th	Commissions I, N, PA2384 National Board, State, Province, and Endorsements

Earm No	2059	
Form No	. 7059	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

. Owner F.E.N.O.C (NAME)			_ Date	e	09/24/2007			
76 South Main Street – Akron, OH 44308 (ADDRESS)		_ She	et <u>1</u>	1 of1		· · · · · · · · · · · · · · · · · · ·		
Plant Beaver Valley Power Station (BVPS) (NAME)			<u>VPS)</u> Unit	Unit No. 1				
	Shippingport, PA (ADDRESS)	15077	·		0145-01 (200223106)			
. Work Performed By BVPS Construction Service (NAME)			ervice Typ	Type Code Symbol Stamp			N/A	
	Shippingport, PA 15077 (ADDRESS)			Authorization No			N/A	
	,,		Exp	iration Date _	· · · · · · · · · · · · · · · · · · ·	"		
4. Identification	of System	Quench Spray	(Q3)		•			
	Edition of Section X	Utilized for Repair	1.1 1967 Editi		a,	N/A Code C	Case	
(c) Applicable 6. Identification	of Components	,,						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)	
Pipe _.	Stone & Webster	N/A	N/A	QS-72	1976	Corrected	No	
Plug .	Nova Machine	N/A	N/A	Ht. #718682	2000	Installed	No	
·								
				<u> </u>		<u></u>	I	
7. Description	of Work <u>Insta</u>	illed a 3/8" pipe	plug and seal w	velded.				
8. Tests Condu	ucted: Hydros Other [eumatic*					

Remarks _	No Code Data Report available.
	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
Legrify that	the statements made in the report are correct and that this conforms to the requirements of the ASME
ode, Section	
· · · · · · · · · · · · · · · · · · ·	ah al Charas AllA
ype Code Syn	nbol Stamp N/A
ertificate of Au	uthorization No. N/A Expiration DateN/A
\mathcal{L}	
igned	Staff Nuclear Engineer Date October 31, 20 07
	Owner or Owner's Designee, Title
·	
	CERTIFICATE OF INSERVICE INSPECTION
	CERTIFICATE OF INSERVICE INSPECTION
	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State o	or Province of Pennsylvania and employed by HSB CT of
0	Hartford, CT have inspected the components described in this the during the period $\frac{4-19-06}{2}$ to $\frac{10-24-07}{2}$, and state that to the
-	Medge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Repor	t in accordance with the requirements of the ASME Code, Section XI.
Dy signing this	contificate polither the ingrester per his employer makes any unweathy averaged as implied, concerning the
· · · · · .	certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer n any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.	in any manner for any personal rightly or property damage of a loss of any kind ansing from or connected with
ins inspection.	
Ω	
Ver	an S. hepich Commissions I, N, PA 2384
	Inspector's Signature National Board, State, Province, and Endorsements
Date /	(0-3/-, 20 07

Form No.	2060

Owner	F.E.N.O.C		(Date		09/24/	<u> 2007</u>	
76 South N	Main Street – Akro	n, OH 44308	- . '	Sheet	1	of	1	
Plant	- Beaver Valley Po (NAME)	ower Station (B\	/PS)	Unit N	0.	1		
	Shippingport, PA	15077			ECP 07-01			
Work Perfo	ormed By <u>BVPS</u>	Construction Se	ervice	Туре	Code Symbol	Stamp		I/A
	Shippingport, PA	15077		Autho	rization No		N/A	
	(ADDRESS)			Expira	tion Date _			
Identificatio	on of System	Quench Spray	(O3)					
(c) Applicab	le Edition of Section X le Section XI Code Ca on of Components	se(s): <u>N/A</u>	Replacement /	Activity_	1989			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boar	d	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Pipe	Stone & Webster	N/A	, N/A		QS-73-	1976	Corrected	No
Plug	Nova Machine	N/A	N/A		Ht. #718682	2000	Installed	No.
. Description	n of Work <u>Insta</u>	alled a 3/8" pipe	plug and se	al wel	ded.			
. Tests Con	ducted: Hydros	tatic*	umatic* 🗌	Nom	inal Operating	j Pressu	ıre 🗌 Ex	empt 🔯

Temans _	No Code Data Report available. Applicable Manufacturer's Data Reports to be attached
	,
	CERTIFICATE OF COMPLIANCE
Loortify that t	ne statements made in the report are correct and that this conforms to the requirements of the ASME
le, Section X	
ic, 0couon /	•• ·
e Code Sym	bol Stamp N/A
•	
ificate of Au	horization No. N/A Expiration Date N/A
6	γ $\langle \gamma \rangle$
ned - 1	Staff Nuclear Engineer Date October 31 , 20 07
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
the undersigne	d, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
d the State or	Province of Pennsylvania and employed by HSB CT of
	Hartford, CT have inspected the components described in this
wner's Report	during the period $\frac{4-19-0.6}{2}$ to $\frac{10-24-0.7}{2}$, and state that to the
	ledge and belief, the Owner has performed examinations and taken corrective measures described in this
• •	
wner's Report	in accordance with the requirements of the ASME Code, Section XI.
	ertificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
aminations ar	d corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
all be liable in	any manner for any personal injury or property damage or a loss of any kind arising from or connected with
is inspection.	
·- ·	1
:	
lea	1. Junih Commissions I, N, P+2384
7 41	Inspector's Signature Commissions I, N, V 4 23 8 4 National Board, State, Province, and Endorsements
	Maiorial Dodro, State, Province, and Endorsements
	•
	-31- 20 07

Form No.	2061
	2001

				·				
1.	Owner	F.E.N.O.C	*-	Date	e	12/17	/2007	
	76 South M	ain Street – Akro	on, OH 44308	_ She	et <u>1</u>	of	1	
2.	Plant	Beaver Valley P	ower Station (BV	PS) Unit	No.	1		
	;	Shippingport, PA	\ 15077		Work Orders # Repair/Replacement			
3.	Work Perfor	med By <u>BVPS</u>	Maintenance	Тур	e Code Symbol	Stamp		I/A
		Shippingport, PA	A 15077	Aut	horization No		N/A	
		(ADDRESS)			iration Date _		u	
4.	Identification	of System _	Chemical and V	/olume Control	(Q2)	e e e		<u>.</u>
5.	(a) Applicable	Construction Code	ANSI B16.	5 Edition.	1968 Addend	44.5		tive
			(I Utilized for Repair/I					
	(c) Applicable	Section XI Code Ca	ase(s):		<i>;</i>			
6.	Identification	n of Components	3		i vita i i	J		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
C	Check Valve	Velan	N/A	N/A	1CH-22	1976	Corrected	No
	Disc	Velan	7722	N/A	Ht. #G2086	2003	Installed	No
			## T				·	
•	• • • • • • • • • • • • • • • • • • • •							
7.	Description	of Work Rep	laced valve disc	and cover stud	s/nuts.		1	
8.	Tests Cond	ucted: Hydros Other			ominal Operating Test Temp.			empt 🛚

Studs: P.O. 47103695 / Ht. #X427	<u> </u>	
·		
,		
CE	RTIFICATE OF COMPLIANCE	
I certify that the statements made in the rade, Section XI.	report are correct and that this conforms to the requirements of the A	SME
pe Code Symbol Stamp N/A		
•		
rtificate of Authorization No. N/A	Expiration DateN/A	
$(0, \langle \cdot \rangle)$		
gned Aluth		08
Owner or Owner's Designee, Tit	tle	
CERTI	FICATE OF INSERVICE INSPECTION	
	•	
the undersigned, holding a valid commission i	issued by the National Board of Boiler and Pressure Vessel Inspectors	
nd the State or Province of Pennsylvania	•	
Hartford, CT	have inspected the components described in this	
	4-19-06 to $10-24-07$, and state that to the	
F	s performed examinations and taken corrective measures described in this	
wner's Report in accordance with the requiren	nents of the ASME Code, Section XI.	
v signing this certificate neither the inspector r	nor his employer makes any warranty, expressed or implied, concerning the	•
	ed in this Owner's Report. Furthermore, neither the inspector nor his employe	er .
	njury or property damage or a loss of any kind arising from or connected with	
nis inspection.	,,,	
A		
0 0 7//	<i>n</i> .	
	Commissions Z. 1/ A 2384	
Dear S. hywh	Continuations 3 1 2 1 2 1	
Joan J. Rywh Inspectors Signature	National Board, State, Province, and Endorsements	
	Continuations 3 1 2 1 2 1	

Form No.	2064	-

	First Energy C	_ Dat	e	5/23	3/07	 	
Shi	ppingport, PA. 1	_ She	eet <u>1</u>	of		1	
Plant	Beaver Valley Po	ower Station	Uni	t No.		l	
	Shippingport, PA	A. 15077		ECP-07-00 Repair/Replacement			
Work Perfo	med By BVPS	Construction (NAME)	Тур	e Code Symbol	Stamp	1	N/A
	Shippingport, PA	l. 15077	Aut	horization No		N/A	
	(ADDRESS)		Exp	oiration Date _		N/A	
Identification	n of System	Safety Injection	n (Code Class C	Q2)			
(a) Applicable	Construction Code	ANSI B31.	1.0 1967	Edition, Sur	nmer 197	'1 Addenda,	Code
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components	se(s): <u>N-491-2</u>	/Replacement Activ	ity <u>1989</u>			
	·····				_		· · · · · · · · · · · · · · · · · · ·
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
ipe Support	Stone & Webster	N/A	N/A	1SI-110-R-19	1976	Corrected	No
				_			
			,				
Description	of Work Rem	oval of diagonal	brace and base	e plate to provide	e cleara	nce for	
	Ехра	anded sump stra	niner				

9. Remarks No Code data report available Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME
Code, Section XI.
Type Code Symbol Stamp N/A
Type Gode Gymbol Glainp
Certificate of Authorization No. N/A Expiration Date N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Willis R. Garman - Engineer IIII Page 1926 20 07
Signed Willis R. Garman - Engineer Date Date Date 20
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, Ct. have inspected the components described in this
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-22-09}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By gianing this partificate polither the inspector per his ampleyer makes any warranty, everyoned or implied, concerning the
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
4
Dean S. hereby Commissions I, N, PA2384
Inspector's Signature National Board, State, Province, and Endorsements
Date

Form No.	2065
FUITH NO.	2003

			· · · · · · · · · · · · · · · · · · ·		-2.		
1. Owner	F.E.N.O.C.		_ Da	te	10/15	/2007	
76 South Ma	76 South Main Street – Akron, OH 44308 (ADDRESS)			eet1_	of	·1	
2. Plant <u>E</u>	Beaver Valley P	ower Station	Un	it No.	1	1	
Shippingport, PA 15077 (ADDRESS)				. Work Or Repair/Replacement	der # 20 Organization	00283320 P.O. No., Job No.	, etc.
3. Work Perform	ned By <u>BVPS</u>	Maintenance (NAME)	Ту	pe Code Symbol	Stamp	Not Appli	cable
. 5	Shippingport, PA	A 15077	Au	thorization No		N/A	
	(ADDRESS)			5 .			
4. Identification	of System	Residual Heat	Removal (Cla	ss C)			
(c) Applicable 6. Identification Name of	of Components	· · · · · · · · · · · · · · · · · · ·	National Board	Other	Year	Corrected. Removéd. or	ASME Code Stamped
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	(Yes or No)
Heat Exchanger	Joseph Oat	1832-1	368	1RH-E-1A	1969	Corrected	Yes
•			·				
ិ ស្រី ស្រី ស្រី	300), 11 (1.1. 1.1. 1.1. 1.1. 1.1. 1.1. 1.1.	ro Lorens	portugal services	Berne Control			
		*					
7. Description o	f Work <u>Repl</u>	aced one flange	stud and two	nuts.			

8. Tests Condu	cted: Hydrosi Other [ımatic* No	ominal Operating Test Temp.			mpt 🛚
	*Danad tast			•			

Applicable M	Previous NIS-2 Report: 1581, 1260, and 414. Replandarufacturer's Data Reports to be attached	aced_
1-3/8" Nuts: PO 45185711 / Ht. #R756; ar	1d Stud: P.O. 45189502 / Ht. #S663.	,
CERTIFICA	TE OF COMPLIANCE	
I certify that the statements made in the report are	correct and that this conforms to the requirements of the A	ASME
Code, Section XI.		•
ype Code Symbol Stamp N/A		
Certificate of Authorization No	Expiration DateN/A	
Signed Kulte	Senior Specialist Date November 13 , 2	2007
Owner or Owner's Designee, Title		.007
<u> </u>		
CERTIFICATE O	DF INSERVICE INSPECTION	
	the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and em		
nave inspected the components described in this Owner's	Report during the period $\frac{\sqrt{-19-06}}{}$ to	
<u>ウメゾープ</u> and state that to the best of my knowledge and I	belief, the Owner has performed examinations and taken corrective	е
neasures described in this Owner's Report in accordance v	with the requirements of the ASME Code, Section XI.	
	ployer makes any warranty, expressed or implied, concerning the	
	owner's Report. Furthermore, neither the inspector nor his employed	
shall be liable in any manner for any personal injury or pro	perty damage or a loss of any kind arising from or connected with	
this inspection	•	
	·	
de la lanch	Commissions NB 9428 ANTB PAZ384	
Inspendir's Signature	National Board, State, Province, and Endorsements	
<i>U</i>		
Date		
, 20	_	

Form t	Vn.	2067

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

	First Energy Co	rp.	Date	e	10/1	1/07	
. Shi	ppingport, PA. 15	5077	She	et1	of	1	<u>L</u>
Plant	Beaver Valley Po	wer Station	Unit	No	1	<u> </u>	
	Shippingport, PA.	15077		ECP-07-01 Repair/Replacement	49-01 (Organization	20026191 P.O. No., Job N	1) o., etc.
Work Perfo	rmed By BVPS (Construction (NAME)	Тур	e Code Symbol	Stamp	1	N/A
	Shippingport, PA	15077	Aut	norization No		N/A	
	(ADDRESS)		Ехр	iration Date		N/A	
(c) Applicabl	le Edition of Section XI le Section XI Code Cas on of Components	e(s): <u>N/A</u>	r/Replacement Activ	ity <u>1989</u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Pipe Support	Stone & Webster	N/A	N/A	1RC-350-H-36	1981	Corrected	No -
			; ; ; ,		•		

. Remarks <u>No Code data re</u>	Applicable Manufacturer's Data Reports to be attached
~ -	
·	CERTIFICATE OF COMPLIANCE
••	
I certify that the statements ma	de in the report are correct and that this conforms to the requirements of the ASME
ode, Section XI.	
una Cada Sumbal Stamp N/A	
pe Code Symbol Stamp N/A	
ertificate of Authorization No.	N/A Expiration Date N/A
	10/. 10
igned Willis R. Garman - Engine	per Mit. 2 Date 10/1 , 20 07
Owner or Owner:	's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I the undersioned helding a valid as	ammington issued by the National Poord of Poiler and Programs Vessel Inspectors
· ·	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors sylvania and employed by HSB CT of
·	have inspected the components described in this
Owner's Report during the period	4 4 4 5 5 5
	e Owner has performed examinations and taken corrective measures described in this
· · · · · · · · · · · · · · · · · · ·	the requirements of the ASME Code, Section XI.
Owner of toport in accordance was a	
By signing this certificate neither the	e inspector nor his employer makes any warranty, expressed or implied, concerning the
	res described in this Owner's Report. Furthermore, neither the inspector nor his employer
	personal injury or property damage or a loss of any kind arising from or connected with
this inspection.	
•	
0 10	
Near S. Ly	$\frac{1}{1}$ Commissions $\frac{I}{I}$, $\frac{J}{J}$, $\frac{J}{J}$ A 2384
Inspector's signa	National Board, State, Province, and Endorsements
Date / 0 - / 8 -	, 20 <u>07</u>

Form 1	Vin.	2068

Owner First Energy Corp.			_ Dat	е	10/	1/07	
Shij	Shippingport, PA. 15077 (ADDRESS)			eet <u>1</u>	of		l
Plant Beaver Valley Power Station (NAME)				t No.		1	
Shippingport, PA. 15077 (ADDRESS)				ECP-07-0 Repair/Replacement		(20026191 1 P.O. No., Job N	
Work Perfor	med By <u>BVPS</u>	Construction (NAME)	Тур	e Code Symbo	Stamp	1	√A
	Shippingport, PA	. 15077	Aut	horization No		N/A	
	(ADDRESS)		Exp	oiration Date _		N/A	
. (a) Applicable ase	Construction Code	ANSI B31.	1.0 1967	Edition, <u>St</u>			• • •
` ,	e Edition of Section X e Section XI Code Ca	· · · · · ·	/Replacement Activ	rity <u>1989</u>			
Identification	n of Components		.*.				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Pipe Support	Stone & Webster	N/A	N/A	1RC-350-H-38	1981	Corrected	No
		•.					
						·	
Description	of Work <u>Add</u>	plates that are	welded to the pi	pe flange and th	ne suppo	ort to restri	<u>ct</u>
-	mov	ement of the pir	oe when safety	valve is remove	d.		
. Tests Cond	ucted: Hydrost	atic* Pne	umatic* 🔲 No	ominal Operating	g Pressu	ıre 🗌 Ex	empt 🛚

Remarks No Code	data report available Applicable Manufacturer's Data Reports to be attached
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF COMPLIANCE
	CERTIFICATE OF COMPLIANCE
I certify that the statemode, Section XI.	nents made in the report are correct and that this conforms to the requirements of the ASME
pe Code Symbol Stamp	<u> N/A </u>
,	
ertificate of Authorization	n No. N/A Expiration Date N/A
	CERTIFICATE OF INSERVICE INSPECTION
	a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of have inspected the components described in this
Owner's Report during the	1/ 10 0/
	belief, the Owner has performed examinations and taken corrective measures described in this
Twiler's Report in accorda	nce with the requirements of the ASME Code, Section XI.
	either the inspector nor his employer makes any warranty, expressed or implied, concerning the
	e measures described in this Owner's Report. Furthermore, neither the inspector nor his employer er for any personal injury or property damage or a loss of any kind arising from or connected with
his inspection.	as for any personal injury or property damage or a loss of any kind alising from or connected with
0	
Dean S	Commissions I, N, PA2384
Inspe	ector's Signature National Board, State, Province, and Endorsements
Date / 0 -/ 8	20 0 2
Date/ / / / / /	7-, 20 0 7

F	A1	2000
Form	NO.	2069

	As Require			SME Code Sect		- IVII Y	
1. Owner	First Energy Co	orp.	_ Dat	е	10/	1/07	
Shij	ppingport; PA. 1	5077	_ She	eet1_	of		<u> </u>
2. Plant	Beaver Valley Po	wer Station	Uni	t No		<u> </u>	
	Shippingport, PA	. 15077		ECP-07-01			
3. Work Perfor	med By _BVPS	Construction (NAME)	Т	e Code Symbol	Stamp		N/A
	Shippingport, PA	. 15077	Aut	horization No		N/A	
			Exp	oiration Date _		N/A	
4. Identification	n of System	Reactor Coolar	nt Pressurizer S	Safety Valve Pipi	ng (Cod	le Class 1))
5. (a) Applicable Case	Construction Code _	ANSI B31,1	1.0 1967	Edition, <u>Sur</u>	<u>nmer 197</u>	71 Addenda,	Code
(c) Applicable	e Edition of Section XI e Section XI Code Cas n of Components	·	Replacement Activ	ity <u>1989</u>			
Name of	Name of	Manufacturer	National Board	Other		Corrected, Removed,	ASME Code
Component	Manufacturer	Serial No.	No.	Identification	Year Buik	Installed	Stamped (Yes or No)
Pipe Support	Stone & Webster	N/A .	N/A	1RC-350-H-40	1981	Corrected	No
· -							
						,	
						,	
				-			
7. Description	of Work <u>Add range</u>			pe flange and the		ort to restri	ct
8. Tests Cond	ucted: Hydrost Other	_		ominal Operating Test Temp.			empt 🛚

Remarks No Code data report available	
Applicable Manufacturer's Data Reports to be attached	•
•	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the	ASME
Code, Section XI.	TOWL
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration Date N/A	
Signed Willis R. Garman - Engineer With Date Date	07
Owner or Owner's Designee, Title	<u> </u>
	 -
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, CT. have inspected the components described in this	
Owner's Report during the period $\frac{4-19-06}{10-18-09}$ to $\frac{10-18-09}{10-18-09}$, and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ	er
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
this inspection.	
Dean S. hyark Commissions I, W, PA 2384	
Inspector's Signature Confirms Storis National Board, State, Province, and Endorsements	
Date	

F	ORM NIS-2 OWNI As Required						IVITY	
Owner	F.E.N.O.C			Date		11-07-	-2007	
76 South Main Street – Akron, OH 44308 (ADDRESS)			Shee	t1	of	2	!	
Plant	Beaver Valley Po	wer Station (B'	VPS)	Unit N	No	1		
	Shippingport, PA (ADDRESS)	15077	· · · · · · ·		Work Ore		00205203 P.O. No., Job No	o., etc.
Work Perfor	rmed By <u>BVPS \</u>	/alve Team		Туре	Code Symbol S	Stamp		I/A ·
	Shippingport, PA (ADDRESS)	15077			orization No ation Date			
(b) Applicable(c) Applicable	Construction Code e Edition of Section XI e Section XI Code Cas n of Components	Utilized for Repair				1	<u>N/A</u> Code C	Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Bo	pard	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Gate Valve	Borg-Warner	75595	N/A		TV-1BD-101C1	1982	Corrected	Yes
Bonnet	Flowserve	87987-1	N/A		Ht. #87987	2006	Installed	Yes
		·						
	<u> </u>							
Description	of Work <u>Repla</u>	aced valve bon	inet and bo	dy/bor	inet studs & nut	ls.		
Tests Cond	•	atic* Pne			ninal Operating Test Temp.	Pressu	ıre⊠ Ex	empt [

 Remarks <u>Code Data Report attached. Replaced 5/16" Studs: P.O. 45138921 / Ht. #</u> Applicable Manufacturer's Data Reports to be attached	<u>P441: Nuts:</u>
P.O. 47075835 / Ht. #P728. Valve is ASME Section III but is installed into an ANSI	R31.1 nining
1.0. 47070000 / Tit. III 720. Valve is notific decilor iii but is installed lifto all Artor	DOT. I DIDING
system	•
System.	
	·
	<u> </u>
CERTIFICATE OF COMPLIANCE	
Locatify that the estatements made in the general are consist and that this same are to the granting	
I certify that the statements made in the report are correct and that this conforms to the requiren	ients of the ASME
ode, Section XI.	, '
ype Code Symbol Stamp N/A	
ype Code Symbol Stamp N/A	4
Certificate of Authorization No. N/A Expiration Date N/A	
The state of the s	
igned Senior Specialist Date November 0	8 . 20 07
Owner or Owner's Designee, Title	
	•
CERTIFICATE OF INCERTION	
CERTIFICATE OF INSERVICE INSPECTION	
···	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel In	spectors
	Speciels
and the State or Province of Pennsylvania and employed by HSB CT of	
Hartford, CT. have inspected the components described in this Owner's Report during the period $\frac{4-19-06}{10}$ to $\frac{10-24-07}{10}$, and state	
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-24-07}{}$, and state	e that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures des	cribed in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
Owner's Report in accordance with the requirements of the Asivic Code, Section At.	
•	•
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, c	oncerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector	nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or o	
	Williected Mith
this inspection.	
Λ	
0 / 0 * -//	
Near S. Lynn Commissions I, N, PAL38	4
Inspector's Signature Continussions National Board, State, Province, and	
-	
Date $\frac{1/-\sqrt{2}-}{2}$, 20 0 7	

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of the ASME Code, Section III

		Not to Exce	ed One	Da	y's Proc	luction			Pg. 1	of <u>2</u>
1.	Manufactured and certified byFI	owserve Corporatio	n/ 1900 :	Sot	th Saun	ders Stree	et, Raleigh N	C 27603		
2.	Manufactured for First Energy	Corp / PO Box 610	O Johnst Name and Ad	OW idres	n, PA 15	907-6100			<u>.</u>	
3 .	Location of Installation First Ene	rgy Corp/Beaver V	alley Nuc	cles	r Power	Plant/ Re	oute 168 Ship	pingport,	PA 15077	
4.	Type: 434HAB6-001 Rev E	ASME SA10	٠.		N/A		N/A		20	906
_	(drawing no.)	(mat'il. spec. no.			(tensile stren		(CRN)		-	built)
5.	ASME Code, Section III, Division 1	: 1980 (edition)			Summer (addend			 	N/A	
6.	Fabricated in accordance with Consonly)		N/A.		Revis	. •	N/A	Date	•	I/A
7.	Remarks: Bonnet for a 3" 60	00# Globe Valve								
_		·					S.O. 3	35877		
8.	Nom. Thickness (in.) N/A	Min. design thickness	(in) T	NE E	2#4 Dia	L ID (ft & in	N/4	Length over	~11 (A & in)	DILA
9.	Nom. Thickness (in.) N/A When applicable, Certificate Holder		`			-	N/A	cengui ove	an (it & iii.)	N/A
	Part or Appurtenance	National		[Appurtenance		Nationa	1
	Serial Number	Board No.				Ser	ial Number		Board N	0.
		In Numerical Ord	ler	1	·			1	n Numerical	Order
(1)	87987-1	N/A			(26)			<u>. </u>		<u> </u>
(2)					(27) _				<u>`</u>	
(3)	· · ·				(28)				Section 3	<u> </u>
(4)					(29)	<u></u>			· · · · · ·	
(5)					(30) _					
(6)	·	<u></u>			(31)	 	• • • • • • • • • • • • • • • • • • • •			
(7)					(32) –				 	
(8)					(33) -	·				- <u>-</u>
(9)					$\frac{(34)}{(36)}$ -				······································	
(10)			·		(35) -					· · · · · · · · · · · · · · · · · · ·
(11		 			(36) _					· <u> </u>
(12 (13					(37) (38)					
(14					(39)		·			
(15					(40)					
(16	·				(41)		· · · · · · · · · · · · · · · · · · ·			
(17	·	f			(42)					
(18					(43)				····	
(19					(44)	***************************************				
(20					(45)					
(21					(46)					
(22					(47)					
(23				1	(48)					
(24)				(49)					
(25					(50)					
10.	Design pressure 1480	psi. Temp.	1	00	٩F	. Hydro.	Test pressure	N/A	·A	t temp. °F

[&]quot;Supplemental information in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back-Pg. 2 of 2)

Certificate Holder's Serial Nos. 87987-1

	<u> </u>			3
	CERTIFIC	ATION OF DESI	GN	
Design specification certified by	W. L RAMSDEN	P.E. State	PA Reg. no	28975
Design Report * certified by		P.E. State	Reg. no	o
We certify that the statements of conforms to the rules of constr	made in this report are correct	•		
NPT Certificate of Authorization No.	N156	3	Expires	11/26/2009
Date 12 / 28 / 06 Name	Flowserve Corporation Sign	ned	(authorized repres	
	(Ar I Cathrate Hoder)		(aumorizad repres	es recuve)
	CERTIFICA	TE OF INSPECT	ΠΟΝ	
I, the undersigned, holding a va Province of <u>North Carolina</u>				Inspectors and the State or have inspected these items
stamping on the date shown above	internances in accordance with the	ASME Code, Sect	ion III, Division 1. Eac	th part listed has been authorized for
	Furthermore, neither the Inspe	ector nor his employe		or implied, concerning the equipment y manner for any personal injury or
Date 12 1 28 1 0 6 Sign			ommissions NC*/	
	(Authorized Insp	ector) - '	(Naft B	3d. (incl. Endorsements) and state, prov. and no.)

Form No	2071

. Owner	F.E.N.O.C		_ Dat	e	10-29	-2007	
76 South M	ain Street – Akror	n, OH 44308	_ She	et <u>1</u>	of	1	
Plant	Beaver Valley Po	wer Station (B\	<u>/PS)</u> Uni	.No.			
	Shippingport, PA (ADDRESS)	15077		Work Or Repair/Replacement (00221342 P.O. No., Job No.	o., etc.
Work Perfor	med By BVPS	/alve Team (NAME)	Тур	e Code Symbol	Stamp		I/A
	Shippingport, PA	15077	Aut	horization No		N/A	•
	(ADDRESS)		Exp	iration Date		**	
Identification	of System	Steam Genera	tor Blow Down	(Q2)			
(b) Applicable	Construction Code Edition of Section XI Section XI Code Case of Components	Utilized for Repair				<u>N/A</u> Code C	Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No
Gate Valve	Borg-Warner	75598	N/A	TV-1BD-101C2	1982	Corrected	Yes
. Description	of Work Repla		net studs & nuts		1	L	
Tests Cond	ucted: Hydrost	atic* 📗 Pne	umatic* 🔲 . No	ominal Operating	Pressu	ıre 📗 Ex	empt 🛛

D. Remarks No Code Data report available: Previous NIS-2 Data Report No: 1427. Replaced 5/16" Applicable Manufacturer's Data Reports to be attached Studs: P.O. 45138921 / Ht. #P441 Nuts: P.O. 47075835 / Ht. #P728. Valve is ASME Section III but
is installed into an ANSI B31.1 piping system.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI.
ype Code Symbol Stamp N/A
Pertificate of Authorization No. N/A Expiration Date N/A
Signed Senior Specialist Date November 08 , 20 07 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this Owner's Report during the period $\frac{4-19-06}{6}$ to $\frac{10-24-67}{6}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
The first off the property of the first of t
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer

Corm	NIa	2072	
Form	No.	2072	

	·						•
1. Owner	F.E.N.O.C.			Date	10/	/31/2007	
76 South Mai	in Street – Akron, (ADDRESS)	OH 44308		Sheet	1	of1	
2. PlantB	eaver Valley Pow	er Station		Jnit No.		1	
S	hippingport, PA 1 (ADDRESS)	5077	· · ·			#200213878 ation P.O. No., Job No.	., etc.
3. Work Perform		alve:Team NAME)	<u>.</u>	Гуре Code Syr	nbol Stan	np <u>Not Appl</u>	<u>icable</u>
S	hippingport, PA 1	5077		Authorization N	lo	N/A	·
	(ADDRESS)		1	Expiration Date	:	N/A	
4. Identification	of System <u>M</u>	lain Steam (Q2	2)			,	
5. (a) Applicable C	onstruction Code	ANSI B31.1	1967	Z Edition, <u>S'71</u> Add	enda, <u>N/A</u> (Code Case	
(b) Applicable E	Edition of Section XI U	tilized for Repair/F	Replacement A	Activity 1989	*		
(c) Applicable S	Section XI Code Case	(s) <u>N/A</u>					
6. Identification	of Components	i e		•			
Name of Component	Name of Manufacturer	Manufactur er Seriał No.	National Board No.	Other Identification	Year Built	Corrected. Removed. or Installed	ASME Code Stamped (Yes or No)
Globe Valve	Masoneilan	H-49378-264	N/A	HCV-1MS-104	1976	Corrected	No
Plug	Masoneilan- Dresser	N/A	N/A	HT #14464	2006	Installed	No
-							
7. Description o	of Work <u>Replac</u>	ed stem assen	ı nbly with.pl	ug			
	٠.			•	•		
				· · · · · · · · · · · · · · · · · · ·		d	
8. Tests Condu	_			Nominal Oper			empt 🛛
	Other	Pressure _ essure and temperature		psi Test Te	emp	°F	

. Remarks	No Code Data Report available. Previous NIS-2 Data Report: 1568, 827, and 149. Applicable Manufacturer's Data Reports to be attached
5	
······	CERTIFICATE OF COMPLIANCE
I certify that Code, Section	at the statements made in the report are correct and that this conforms to the requirements of the ASME n XI.
Type Code Sy	symbol Stamp N/A
Certificate of	Authorization No. N/A Expiration Date N/A
Signed	Senior Specialist Date November 14 , 20 07 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
,	igned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State	e or Province of Pennsylvania and employed by HSB CT of
Owner's Rep	Hartford, CT have inspected the components described in this port during the period $4-18-06$ to $10-24-09$, and state that to the
best of my kn	nowledge and belief, the Owner has performed examinations and taken corrective measures described in this port in accordance with the requirements of the ASME Code, Section XI.
	his certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the sand corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
	e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspectio	
Lle	and your Commissions I, N, P+2384
	Inspector's agnature National Board, State, Province, and Endorsements
	1/-14- 20 07
Date	//-/4, 20 <u>0 /</u>

r	A I	2072	

	, ·						
1. Owner	F.E.N.O.C.		_· Date)	10/15/	2007	
76 South Mai	in Street – Akro	n, OH 44308	_ She	et1	of	1	
2. Plant <u>B</u>	eaver Valley Po	ower Station	Unit	No	1	•	
S	hippingport, PA	15077		Work C Repair/Replacemen		0207316 P.O. No., Job No.,	etc.
3. Work Perform	ed By <u>BVPS</u>	Valve Team	Т	e Code Symbol	Stamp	Not Applic	cable
S	hippingport, PA	15077	Auth	norization No.		N/A_	
	(ADDRESS)						
			Exp	ration bate _		14// \	
4. Identification	of System	Quench Spray	(Q3)		•		•
	Edition of Section X	(I Utilized for Repair ase(s) <u>N/A</u>			ı, <u>N/A</u>	_ Code Case	•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buih	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe Flange	Stone & Webster	N/A	· N/A	QS-2	1976	Corrected	No
		3					
7. Description of	f Work <u>Rep</u>	laced piping flar	ige studs and n	uts.			
·			<u>, inn</u>				
8. Tests Condu	cted: Hydros Other	tatic* 📗 Pne	umatic* No psi	•	•		mpt 🛛
	*Record tes	st pressure and temperatur	e				

ertificate of Authorization NoN/A	Nuts: P.O. 45173478 / Ht. #X391.				
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. If the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT ave inspected the components described in this Owner's Report during the period 1-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective easures described in this Owner's Report during the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. A. 23.8.4. National Board, State, Province, and Endosements					
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. pe Code Symbol Stamp N/A ertificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 13., 20 07. CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT ave inspected the components described in this Owner's Report during the period 1.79-0.0 to 1.29-0.7 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective easures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. Commissions T. M. 23.8.4 National Board, State, Province, and Endosements				······································	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. pe Code Symbol Stamp N/A Prtificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 13 , 20 07 CERTIFICATE OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT we inspected the components described in this Owner's Report during the period 1/-19-06 to 1-29-07 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective assures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. Commissions T. M. 23.84 National Board, State, Province, and Endosements					
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME de, Section XI. per Code Symbol Stamp N/A Expiration Date N/A Expiration Date N/A Senior Specialist Date November 13 , 2007 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB.CT of Hartford, CT we inspected the components described in this Owner's Report during the period 1/17-06 to 1/17-06 to 1/17-06 to 1/17-06 saures described in this Owner's Report during the period 1/17-06 saures described in this Owner's Report during the period 1/17-06 saures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. Commissions T. N. A. 23 8 4 National Board, State, Province, and Endosements	•				
per Code Symbol Stamp N/A Pertificate of Authorization No. N/A Expiration Date N/A Gened Senior Specialist Date November 13 , 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT are inspected the components described in this Owner's Report during the period 1.78 - 0.6 to 1.48 - 0.7 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective assures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. Commissions American Alexander Commissions American Alexander NAA National Board, State, Province, and Endorsements	CERTIFICATE OF COMPL	IANCE		; ;	
ertificate of Authorization No. N/A Expiration Date N/A igned Senior Specialist Date November 13, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT ave inspected the components described in this Owner's Report during the period 1/18-06 to 1/24/-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective reasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions Table Province, and Endorsements					
retificate of Authorization NoN/A	I certify that the statements made in the report are correct and that ode, Section XI.	this conforms	to the req	uirements of	f the ASME
Senior Specialist Date November 13 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9.19-06 to 0.29-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, M 22 8 4 National Board, State, Province, and Endorsements	ype Code Symbol Stamp <u>N/A</u>				
CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9.24.07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N, D,					
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT nave inspected the components described in this Owner's Report during the period 19-19-06 to 0-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. 23.84 National Board, State, Province, and Endorsements	Certificate of Authorization No. <u>N/A</u> Expiration Date		N/A	···	_
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT nave inspected the components described in this Owner's Report during the period 19-19-06 to 0-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. M. 23.84 National Board, State, Province, and Endorsements		,			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT nave inspected the components described in this Owner's Report during the period 9.79-06 to 0.24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. N. 2.8.4 National Board, State, Province, and Endorsements	signed Senior Senior Senior	r Specialist D	oate <u>Novė</u>	<u>mber 13</u> ,	20 07
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT nave inspected the components described in this Owner's Report during the period Y-19-06 to 0-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N, 14, 23, 84 National Board, State, Province, and Endorsements					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period Y-19-06 to 0-24-57, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N 14 23 8 4 National Board, State, Province, and Endorsements					
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-06 to 0-14-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N, 14-23-84 National Board, State, Province, and Endorsements			· - · · ·		
and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-06 to 0-24-57, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N, 14-23-84 National Board, State, Province, and Endorsements		ISPECTION			
have inspected the components described in this. Owner's Report during the period		ISPECTION			
D-24-57, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective neasures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. N. 14 23 8 4 National Board, State, Province, and Endorsements	CERTIFICATE OF INSERVICE IN				
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By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T, N, 14 23 8 4 National Board, State, Province, and Endorsements	CERTIFICATE OF INSERVICE IN 1, the undersigned, holding a valid commission issued by the National Board and the State or Province of Pennsylvania and employed by HS	of Boiler and Pi	ressure Ves of <u>Har</u>	sel Inspectors tford, CT	3
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Owner	First Energy Co	orp.		Date		10/3	3/07	
Sh	ippingport, PA. 1 (ADDRESS)	5077		Sheet		1 of		1
Plant	Beaver Valley Po	ower Station		Unit No)		1	
-	Shippingport, PA	. 15077			ECP-07-0		20028433 1P.O. No., Job N	
Work Perfo	rmed By BVPS	Construction (NAME)		Туре С	ode Symbo	ol Stamp		N/A
	Shippingport, PA	. 15077		Authori	zation No.		N/A	
	(ADORESS)			Expirat	ion Date		N/A	
dentificatio		D = -11-4 (•	
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<u> </u>	
	CERTIFICATE OF COMPLIANCE
certify that the statements made in the section XI.	n the report are correct and that this conforms to the requirements of the ASME
e Code Symbol Stamp N/A	
tificate of Authorization No. No.	/A Expiration Date N/A
ned Willis R. Garman - Engineer & Owner or Owner's Desi	Date
	CERTIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commit	ission issued by the National Board of Boiler and Pressure Vessel Inspectors
	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HBTCT of
nd the State or Province of <u>Pennsylvan</u> Hartford, CT	nia and employed by HBTCT of have inspected the components described in this
nd the State or Province of <u>Pennsylvan</u> lartford, CT wner's Report during the period	and employed by HBTCT of have inspected the components described in this $\frac{4-19-06}{}$ to $\frac{7-12-07}{}$, and state that to the
the State or Province of Pennsylvan lartford, CT when's Report during the period st of my knowledge and belief, the Own	nia and employed by <u>HBT CT</u> of have inspected the components described in this
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Hartford, CT where's Report during the period est of my knowledge and belief, the Own wher's Report in accordance with the re y signing this certificate neither the inspersormanisations and corrective measures de	and employed by HBT CT of have inspected the components described in this $\frac{4-19-06}{10}$ to $\frac{10-12-07}{10}$, and state that to the ner has performed examinations and taken corrective measures described in this equirements of the ASME Code, Section XI. The ector nor his employer makes any warranty, expressed or implied, concerning the escribed in this Owner's Report. Furthermore, neither the inspector nor his employer conal injury or property damage or a loss of any kind arising from or connected with

Form No	2076

Owner	F.E.N.O.C		Date		11/15	/2007	
76 South M	lain Street – Akro	n, OH 44308	Shee	et1	of	1	
Plant	Beaver Valley Po	ower Station (BVF	<u>PS)</u> Unit	No		<u> </u>	
	Shippingport, PA	15077		Work O	rder #20	00200160	etc.
Work Perfor		Construction Ser	<u>vice</u> Type	e Code Symbol			I/A
	Shippingport, PA	•	Auth	orization No		N/A	
	(ADDRESS)		Expi	ration Date _	· · · · · · · · · · · · · · · · · · ·		
Identification	n of System	River Water (Q3	·				
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components		eplacement Activi	<u>1989</u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Stamped (Yes or No
Ball Valve	BNL Industries	B021016-1-8	N/A	1RW-132	2003	Corrected	No
·							
				· · · · · · · · · · · · · · · · · · ·			
Description	of Work Rep	aired pinhole cavi	ty inside valve	end piece.			
Tests Cond	ducted: Hydros Other	_	matic*	,	-		empt 🗌

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Experimental Section No. N/A Expiration Date N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Senior Specialist Date November 15 , 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-0 to 12-2-4-07 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	. Remarks	No Code Data Report available. Previous NIS-2 Data Report No. 1571. Applicable Manufacturer's Data Reports to be attached
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. The property of the property of the period of the		
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME ode, Section XI. The province of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4-19-0 to 10-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with		
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certificate of Authorization No. N/A Expiration Date N/A Senior Specialist Date November 15, 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Downer's Report during the period 4-19-0 b to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Downer's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with		
Senior Specialist Date November 15 , 20 07 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period 4-19-06 to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	pe Code Symb	ol Stamp N/A
CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Dwner's Report during the period 4-19-06 to 10-24-07, and state that to the pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	ertificate of Auth	norization No. N/A Expiration Date N/A
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Dwner's Report during the period Y-19-0 to 10-24-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	gned X	Öwrier or Owner's Designee, Title
And the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Downer's Report during the period 4-19-06 to 70-24-07, and state that to the post of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Downer's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with		CERTIFICATE OF INSERVICE INSPECTION
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Commissions I, N, P42384	xaminations and hall be liable in a	d corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer any manner for any personal injury or property damage or a loss of any kind arising from or connected with

Form No.	2077

Owner	First Energy Co	orp.	_ Da	te	10/16	6/07	C
SI	nippingport Pa, 15	5077	Sh	eet <u>1</u>	of	1	
Plant	Beaver Valley Po	ower Station	Ur	it No.	1		
	Shippingport Pa,	15077	· · · · · · · · · · · · · · · · · · ·	E(CP 07-03 Organization		o., etc.
Work Perfo	rmed By <u>Desigr</u>	Engineering	Ту	pe Code Symbol	Stamp		I/A
	Shippingport Pa,	, ,	Au	thorization No		N/A	
	(ADDRESS)		Ex	piration Date _		N/A	
Identificatio	on of System	Feedwater Svs	stem – (Q2)				
` , , , ,	le Section XI Code Ca		· T	<u> </u>	· · ·	Corrected	ASMF
Name of Component	Name of . Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or N
WFPD-22	Southwest Fabricating & Welding Co.	None	None	None	1970	Rerated	No
WFPD-23	Southwest Fabricating & Welding Co.	None	None	None	1970	Rerated	No
WFPD-24	Southwest Fabricating & Welding Co.	None	None	None	1970	Rerated	No
Danistia	of Work <u>Rera</u>	ating of feedwat	er piping betwe	een feedwater iso	lation va	alves and	steam

Pressure.	
•	
	CERTIFICATE OF COMPLIANCE
e	
I certify that the stater ode, Section XI.	ments made in the report are correct and that this conforms to the requirements of the ASME
pe Code Symbol Stam	no N/A
ertificate of Authorization	on NoN/A Expiration Date N/A
	Expiration Date 19/A
gned Mul	Nuclear Engineer Date October 17 , 20 07
I, the undersigned, holding	CERTIFICATE OF INSERVICE INSPECTION g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of have inspected the components described in this
and the State or Province Hartford, CT	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of Pennsylvania and employed by HSB CT of have inspected the components described in this
and the State or Province Hartford, CT Owner's Report during the best of my knowledge and	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of have inspected the components described in this
and the State or Province Hartford, CT Owner's Report during the best of my knowledge and Owner's Report in accordance of the significant of the saminations and corrections.	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of have inspected the components described in this e period <u>Y~/9~O·b</u> to <u>/O~/7~O·7</u> , and state that to the d belief, the Owner has performed examinations and taken corrective measures described in this
and the State or Province Hartford, CT Owner's Report during the best of my knowledge and Owner's Report in accordance by signing this certificate examinations and corrections shall be liable in any manual.	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of Pennsylvania and employed by HSB CT of have inspected the components described in this e period Y-19-06 to 10-17-07, and state that to the dibelief, the Owner has performed examinations and taken corrective measures described in this ance with the requirements of the ASME Code, Section XI. neither the inspector nor his employer makes any warranty, expressed or implied, concerning the ive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
and the State or Province Hartford, CT Owner's Report during the best of my knowledge and Owner's Report in accordance of the state o	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of Pennsylvania and employed by HSB CT of have inspected the components described in this e period Y-19-06 to 10-17-07, and state that to the dibelief, the Owner has performed examinations and taken corrective measures described in this ance with the requirements of the ASME Code, Section XI. neither the inspector nor his employer makes any warranty, expressed or implied, concerning the ive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer

Form	No	2086

1. Owner	F.E.N.O.C		_ Date		11/29	/2007	
76 South Ma	in Street - Akro	n, OH 44308	_ Shee	et <u> </u>	of	2	2
2. Plant <u>B</u>	eaver Valley Po	wer Station (BV	<u>(PS)</u> Unit	No	1	<u> </u>	
S	hippingport, PA (ADDRESS)	15077		Work Or Repair/Replacement C		00287233 P.O. No., Job N	o., etc.
B. Work Perform	ned By <u>BVPS</u>	Maintenance (NAME)	Туре	e Code Symbol S	Stamp		I/A
S	Shippingport, PA (ADDRESS)	15077		norization No iration Date			
1. Identification	of System	Ventilation/Rive	er Water (Q3)	 			
	Edition of Section XI Section XI Code Ca of Components		Replacement Activit	ty <u>1989</u>			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	York	1-2239	46531	1VS-E-4B	1972	Corrected	Yes
7. Description o	of Work Repl	aced end bell ba	affle plate and re	epaired areas of	corros	ion.	
						••	
8. Tests Condu	cted: Hydrosi Other [minal Operating Test Temp.			empt 🛚

9. Remarks U-1 Data Report attached. The tube/end bell section of the heat exchanger was exempt Applicable Manufacturer's Data Reports to be attached
to ASME Section VIII and was made to commercial grade. ANSI B31.1 was used as Construction
Code for the world remains. Drawings NIC 2 Data Danset Nice 4500, 4000, 240, and 400
Code for the weld repairs. Previous NIS-2 Data Report Nos: 1590, 1086, 348, and 196.
·
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Гуре Code Symbol Stamp <u>N/A</u>
NEW ACCOUNTY AND ADDRESS OF THE PROPERTY OF TH
Certificate of Authorization No. N/A Expiration Date N/A
$(0, \sqrt{})$
Signed Senior Specialist Date November 29 , 20 07
Ownel or Owner's Designee, Title
OFFITIOATE OF MODERNION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $\frac{4-19-06}{}$ to $\frac{10-24-02}{}$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
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examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
James I have by commissions 1/89428 ANIB PARSKY
Inspectors Signature Commissions No 1975 7210 12389
Date
, 20

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

アイトゥイナルが、Philadell Aliellel Aliellel 、 Charles and a fine a com-

	Anger Dilleger	· 人名英格兰 1997年。	the second		
PENINGS: Handhales, Threaded, S	No	Size	Location		
Threaded,"N	10.	Size	Location	Supports welded	bottom-en
UPPORTS: Skin	Lugs	(Number)	(Number)	Other (Describe)	trached Where
EMARKS: 16"				receive Service)	•
				WITOSTAR SRIATCRY	
	e section code e	•		· · · · · · · · · · · · · · · · · · ·	
	conn - weld end				
			oing		
	249 material con	torms to UG-9			
Constructed un	der the provision	ns of UG-90 (c)	(2)		
				etc. State contents of each t	pert.)
this vessel conform to the	e ASME Code for Pressure 1972 Signed strong No. 875	YORK DIVISION BY YORK PENNA	ORG-WARNER CO	RP. Engineering Dep Senior Engin	Lant., Heat
	v ver vard		······································		
100	er van areneva CERT	TFICATE OF SHOP	ANSPECTION		٠
				K, PENNA U.S.A	•
				ind Pressure Vessel Inspect	
the State or Pravin	e Pennsylvaniand	employed by Hartfor	d Steam Boile	er Insp. & Ins. C	O 1: of
		have inspe	cted the pressure ve	ssel described in this man	ufacturer's
date report on	May 16	19 72, and state t	hat to the best of m	y knowledge and bellef, the	e tranufac-
turer has construct	ed this pressure vessel in	accordance with the app	licable sections of	the ASME Boiler and Press	ure Vessel
pressure vessel de in any manner for	scribed in this manufacture any personal injury or pro	er's data report. Purtherm	ore, neither the Insp	expressed or implied, con- lector nor his employer sha from or connected with this	il be liable
Date	7/1/1/1	//			
	all Caro	St	Natl, Bd	Comm. #3695	
In	spectors Signature	Commissions	Nat'l Board	I, State, Province and No.	
	CERTIFICAT	TE OF FIELD ASS	EMBLY INSPEC	TION	
			nal Board of Boiler	and Pressure Vessel Inspec	tors and/or
l l	nceand				of
4	বাং কর্মান্ত্রন কুর্মান্ত্রন্ত	have com	pared the statement	is in this manufacturer's	data report
not included in th		ection have been inspec	ted by me and that	to the best of my knowledge	
1		•			
'Boiler and Pressu	w vessel Code. The descri-	nen Asset was jusbected	and subjected to a h	ydrostatic test of	psi.
pressure vessel de	escribed in this manufactur	rer's data report. Furthers	nore, neither the Ins	y, expressed or implied, co pector nor his employer sho from or connected with this	all be liable
11 11 11 11 11		10 ° 2			
Deta		· 			
12. I m		Commissions			;
l Ir	apector's Signature	Commissions		d, State, Province and No.	

	1				For	m No.	208	7	
F(ORM NIS-2 OWN As Require	ER'S REPORT					IVITY		
1. Owner	. OwnerF.E.N.O.C			Date		11/13/07			
76 South Main Street – Akron, OH 44308 (ADDRESS)				Shee	et <u>1</u>	of 2			
2. Plant Beaver Valley Power Station (BVPS) (NAME)				Unit No. 1					
Shippingport, PA 15077 (ADDRESS)				PO #7024829 Repair/Replacement Organization P.O. No., Job No., etc.					
3. Work Perfor	rmed By <u>Beaver</u>	Valley/Westingl	nouse	Туре	Code Symbol	Stamp	<u> </u>	I/A	
Shippingport, PA 15077				Authorization No		N/A			
(ADDRESS)				Ехрі	ration Date _	N/A			
4. Identification	n of System	Reactor Coolar	nt System	***		· · · · · · · · · · · · · · · · · · ·			
(c) Applicable	e Edition of Section X e Section XI Code Ca n of Components	se(s): <u>N/A</u>	National Bo		y 1989 Edition,	NO Adde	Corrected, Removed;	ASME Code Stamped	
Component	Manufacturer	Serial No.	No.		Identification	Built	Installed	(Yes or No)	
1RC-E-1C	Westinghouse	NP030651/ 3MB2	84		N/A	2005	Corrected	Yes	
					3	·			
7. Description	of Work <u>Installe</u>	ed two tube plug		0) in (one SG tube. R	eplaced	I hot leg pr	imary	
8. Tests Cond	···•	tatic*		Non psi	ninal Operating Test Temp.			empt [

9. Remarks Primary side work order – 200211850
Applicable Manufacturer's Data Reports to be attached Performed VT-1 examination on all studs, nuts, washers, insert plates & gasket seating surfaces.
- 1 Shormed VI T Sadiffication on all stade, hate, washers, insert places a gasher seating surfaces.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
5545, 5546H7A.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
0/ 400 /
Signed Gary Alberti, Project Manager Lay Alberta Date 1/27, 20 07
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
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best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
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shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
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Inspector's Sidnature Commissions National Board, State, Province, and Endorsements
required board, state, a rounce, and chrosenerits
Date, 20 0?
Date, 20 0 ?